



भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 31]

नई दिल्ली, शनिवार, जुलाई 31, 1993 (श्रावण 9, 1915)

No. 31]

NEW DELHI, SATURDAY, JULY 31, 1993 (SRAVANA 9, 1915)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS
Calcutta, the 31st July 1993

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

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Tamilnadu and the Union Territories of Pondicherry,
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Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and
Kashmir, Punjab, Rajasthan and Uttar Pradesh and the
Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC"

1-177GI/93

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents
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पेटेंट कार्यालय

एकसूत्र तथा अभिकल्प

कलकत्ता, दिनांक 31 जुलाई 1993

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा रामपुर, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रवर्तित हैं :—

पेटेंट कार्यालय शाखा, टोकी इस्टेट,
तीसरा तल, सोअर परले (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रवेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा
दीव एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, कराल बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,
मिनिकाय तथा एमिनिदिव द्वीप ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुस्तरीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अन्वेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अप-
क्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धमाके अथवा
बैंक आवेद या जहाँ उपयुक्त कार्यालय अवस्थित है; उस स्थान
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट
अथवा बैंक द्वारा की जा सकती है ।

CORRIGENDUM

In the Gazette of India Part III, Sec. 2, dated the 28th December, 1991 page-1421, col. 1, for application for patent No. 91/Bom/89 filed on 10th April, 1989 read the first applicants as VANESH GOKAL instead of VANESH GOKAL.

In page-1425, col. 2, for application for patent no. 244/Cal/89 filed on 30th March 1989 read the applicants as (a) PROTAP KUMAR GHOSH & (2) PINAKI PRASAD GHOSH instead of (1) PROTAP KUMAR SHOSE and (2) PINAKI PRASAD SHOSH.

I. In the Gazette of India Part III, Section-2, dated 4-1-92 on page no. insert the title after the applicants name, in respect of

(i) patent application no. 285/Bom/1991 :

“An apparatus having multiple central processing units combining televisions, computers and communication functions”.

(ii) patent application No. 286/Bom/1991 :

“Preparation of concentrated tomato juice from normal tomato juice for improved retention of the original colour flavour by first separating the juice into two portions etc.”

(iii) patent application No. 287/Bom/1991 :

II. In the Gazette of India Part III, Section 2, dated 30.5.1992 on page no. 669, insert the name

(i) in respect of Patent application no. 73/Bom/1992 read the name of the Applicant : सुरेश कुमार शर्मा

Title of the invention : भार विद्युत जनित्र

(ii) in respect of patent application no. 79/Bom/1992 read the name of the Applicant : मिट्ठुलाल जाटव

Title of the invention : Title : रेलवे टुकड़ी टाईल ।

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent branch are the dates claimed under section-135. of the Patents Act, 1970

18th June 1993

340/Cal/93. PPV-VERWALTUNGS-AG, “HOLDER FOR ULTRASONIC POWER CONVERTERS”.

341/Cal/93. EMILIO AMBASZ, “CARRYING BAGS”.

342/Cal/93. UNILEVER AUSTRALIA LIMITED, “IMPROVED METHOD OF DEWATERING SLURRIES”. (Convention application No. PL 3041 dated 19-06-92, AUSTRALIA.

21st June 1993

343/Cal/93. SRI NALINI RANJAN PANDA, "A NEW METHOD FOR MANUFACTURE OF REINFORCED CEMENT CONCRETE DOOR AND WINDOW FRAMES".

344/Cal/93. ELI LILLY AND COMPANY, "STEREOSELECTIVE GLYCOSYLATION PROCESS".

345/Cal/93. ASTUCIA-SOCIEDADE DE DESENVOLVIMENTO DE PATENTES, LDA, "SIGNALLING MEANS". (Convention Application No. 9214474.0 dated 08-07-92, U.K. and Convention Application No. 9305080.5 dated 12-03-93, U.K.)

346/Cal/93. MCNEIL-PPC. INC. "APPLICATOR SLEEVE".

347/Cal/93. HOECHST AKTIENGESELLSCHAFT,

"WATER-INSOLUBLE AZO COLORANTS".

348/Cal/93. ERIC VAN'T HOOFT, "METHOD FOR CONNECTING A FIRST END PART OF A CABLE TO A DRIVE UNIT AND AN ASSEMBLY A DRIVE UNIT AND A CABLE FOR CARRYING OUT SUCH METHOD".

349/Cal/93. EATON CORPORATION, "SHIFT CONTROL METHOD/SYSTEM".

22nd June 1993

350/Cal/93. HYDRO-QUEBEC, "TETRAVALENT TITANIUM ELECTROLYTE AND TRIVALENT TITANIUM REDUCING AGENT OBTAINED THEREBY".

23rd June 1993

351/Cal/93. STOPING AKTIENGESELLSCHAFT, "ACTUATING DEVICE FOR A SLIDING GATE VALVE ON A VESSEL CONTAINING METAL MELT".

352/Cal/93. E.I. DU PONT DE MEMOURS AND COMPANY, "POROUS POLYTETRAFLUOROETHYLENE AND PREPARATION".

353/Cal/93. GREAT LAKES CHEMICAL CORPORATION, "REFRIGERANT BLENDS CONTAINING 1, 1, 1, 2, 3, 3, 3-HEPTAFLUORO PROPANE".

354/Cal/93. HENRI COHEN, "AN IMPROVED PLASTIC PLUG WITH FLUORESCENT COLOURANT FOR SHINING DISPLAY OF A TEXT OR SHAPE".

24th June 1993

355/Cal/93. SANTANU ROY, "A NOVEL APPARATUS FOR EFFECTIVE UTILIZATION OF SOLAR ENERGY".

356/Cal/93. METALLGESELLSCHAFT AKTIENGESELLSCHAFT, "PROCESS FOR THE DIRECT REDUCTION OF IRON OXIDE CONTAINING MATERIALS WITH SOLID CARBONACEOUS REDUCING AGENTS".

357/Cal/93. EMITEC GESELLSCHAFT FÜR EMISSIONSTECHNOLOGIE MBH, "METAL HONEYCOMB BODY FOR INTERTWINED SHEET-METAL LAYERS AND METHOD FOR ITS PRODUCTION".

358/Cal/93. E.I. DU PONT DE MEMOURS AND COMPANY, "SEPARATION OF TETRAFLUOROETHANE ISOMERS".

359/Cal/93. ASTA MEDICA AKTIENGESELLSCHAFT, "NOVEL 4, 5-DIHYDRO-4-OXO-PYRROLO [1, 2-ALQUINOXA LINONES] AND CORRESPONDING AZA ANALOGS AND A PROCESS FOR THEIR PREPARATION".

Application for Patents filed at the Patent Office Branch, Municipal Mkt., Building, 11th Floor, Karol Bagh, New Delhi-110005

29th March 1993

317/Del/93. DINKAR SAHAL, "An Improved process for the preparation of chromogenic peptides containing arginine paranitroanilide useful for testing of bacterial pyrogens in parenteral fluids, drugs, food products, recombinant products, vaccines, medical devices, radiopharmaceutical products, water supplies etc. intended for human use".

318/Del/93. INTERNATIONAL BUSINESS MACHINES CORPORATION, "Liquid crystal display device".

319/Del/93. THE PROCTER & GAMBLE COMPANY, "Sanitary napkin having barrier means to restrict lateral migration of body fluids".

(Convention Dt. 31st March 1992) (United Kingdom).

320/Del/93. THE PROCTER & GAMBLE COMPANY, "Skin pH cleansing bar".

321/Del/93. THE PROCTER & GAMBLE COMPANY, "Neural pH cleansing bar".

322/Del/93. THE PROCTER & GAMBLE COMPANY, "Skin pH freezer bar and process".

323/Del/93. THE PROCTER & GAMBLE COMPANY, "Neutral pH freezer bar and Process".

324/Del/93. Chander Mohan Dutta, "A device for use to minimize damage to railway vehicles etc.".

325/Del/93. KALYAN KUMAR SENGUPTA, "An artificial ventilator".

326/Del/93. KRUPP POLYSIUS AG., "Tiltable supporting roller bearing".

327/Del/93. FINEX HANDELS-GmbH, "Clothing completely or partly made of one piece of textile fabric for shielding electromagnetic radiation".

30th March 1993

328/Del/93. MADAN MOHAN SHARMA, "Weight lifting rod for physical fitness".

329/Del/93. EXXON CHEMICAL PATENTS, INC., "Multiple reaction process in melt processing equipment".

330/Del/93. BENDIX EUROPE SERVICES TECHNIQUES, "Multislope compensator".

331/Del/93. BENDIX EUROPE SERVICES TECHNIQUES, "Improved force transmission device for a booster".

31st March 1993

332/Del/93. THE PROCTER & GAMBLE COMPANY, "Acidic activated bleaching composition". (Convention Dt. 3rd April 1992 (United Kingdom)).

333/Del/93. THE PROCTER & GAMBLE COMPANY, "Detergent compositions". (Convention Dt. 3rd April 1992) (United Kingdom).

334/Del/93. COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, "A process for the production of medium density fibre board/sheets based on coir fibre and cashewnut shell liquid".

335/Del/93. COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, "An improved process for the preparation of a negative electrode for rechargeable batteries". [Divisional Dt. 28th January 1993].

336/Del/93. KRAFT GENERAL FOODS, INC., "Product and process of producing a no-fat cheese analog containing rennet casin".

337/Del/93. TRIFOLIO-M GmbH, HERSTELLUNG UND VERTRIEB HOCHREINER BIOSUBSTANZEN, "A process for the preparation of storage stable azadirachtin-rich extract from components of the neem tree, particularly neem seed kernels".

338/Del/93. W.R. GRACE & CO.-CONN., "Thermoplastic syntactic foam pipe insulation".

339/Del/93. COMINCO ENGINEERING SERVICES LTD., "Hydrometallurgical copper extraction process".

2nd April 1993

340/Del/93. ROHM GmbH, "Polymer products for leather treatment".

341/Del/93. NORDSON CORPORATION, "Breathable fabric lamination, apparatus and methods".

342/Del/93. RICHARD E. CRETER, "Submerged break-water for use as a perch for sand retention".

6th April 1993

343/Del/93. AKTIEBOLAGET ASTRA, "Synergistic combination of a substance with gastric acid secretion inhibiting effect and an acid degradable antibiotic".

344/Del/93. ALLEGHENY LUDLUM CORPORATION, "Method and apparatus for direct casting of continuous metal strip".

7th April 1993

345/Del/93. THE PROCTER & GAMBLE COMPANY, "Liquid or gel bleaching composition containing amidoperoxyacid bleach and perfume".

346/Del/93. THE PROCTER & GAMBLE COMPANY, "Aqueous liquid bleach compositions with fluorescent whitening agent and polyvinyl pyrrolidone or polyvinyl alcohol".

347/Del/93. THE PROCTER & GAMBLE COMPANY, "Process for manufacture of a high active detergent composition containing succinic acid". (Convention Dt. 10th April 1992) (United Kingdom).

348/Del/93. THE PROCTER & GAMBLE COMPANY, "Use of modified polyesters for the washing of cotton-containing fabrics". (Convention Dt. 13th April 1992 & 31st July 1992) (United Kingdom).

349/Del/93. SINTERCAST LTD., "The determination of the carbon equivalent in structure modified cast iron".

350/Del/93. SINTERCAST LTD., "A method of manufacturing cast products which are cast in a single-piece structure having an inhomogeneous graphic structure".

351/Del/93. COFLEXIP, "Device for mounting a flexible line comprising a curvature limiter".

352/Del/93. THE UNIROYAL GOODRICH TIRE COMPANY, "A tire building machine".

8th April 1993

353/Del/93. KASHMIRA SINGH SEKHON & OTHER, "Pigeon pea (Cajanus cajan) supplemented flat bread".

354/Del/93. RAJENDRA KUMAR, "A hand pump".

355/Del/93. CHIEF CONTROLLER OF RESEARCH AND DEVELOPMENT, "A process for producing a polymeric gas sensor for toxic gases".

356/Del/93. PETER C. NEALE, "Game". (Convention Dt. 9-4-92 & 29-10-92) (Australia).

357/Del/93. AUTOMOTIVE PRODUCTS PLC., "A method of manufacture of a friction facing and carrier assembly and apparatus therefor". (Convention Dt. 11th April 1992) (United Kingdom).

ALTERATION OF DATE

Patent No. 834/Mas/90 (172434)

Ante-dated to 31st October 1986.

Patent No. 841/Mas/90 (172436)

Ante-dated to 18th November 1986.

Patent No. 854/Mas/90 (172437).

Ante-dated to 2nd January 1987.

Patent No. 919/Mas/90 (172438).

Ante-dated to 20-11-1987.

Patent No. 967/Mas/90 (172439).

Ante-dated to 23rd September 1987.

Patent No. 31/Mas/91 (172440).

Ante-dated to 23rd April 1987.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र की उपयुक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप है।”

कंपाकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरंत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Class : 15-B [GROUP—LIV(1)]

172431

Int. Cl.⁴ : F 16 C 35/12.

A BEARING MOUNTING FOR HIGH SPEEDS OF ROTATION.

Applicant : MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANIZED UNDER THE LAWS OF SWITZERLAND, OF WINTERTHUR, SWITZERLAND.

Inventors :

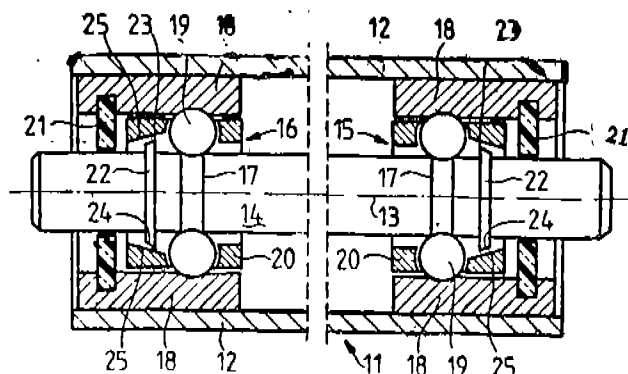
- (1) REINHARD ROHRER.
- (2) HENRI BURKI.
- (3) JURG BISCHOFBERGER.
- (4) RAYMOND FREY.

Application No. 179/MAS/88 filed March 21, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

A bearing mounting for high speeds of rotation comprising a shaft rotatable in a housing about an axis of rotation and is supported in two radial rolling bearings, each said radial rolling bearing comprises rolling members guided by a cage, and an inner chamber formed by a groove provided on a shaft, with a cover plate mounted on each end of the housing, a supply of lubricant provided inside the housing between the two rolling bearings, characterised in that in each said rolling bearing a lubricants linger ring fitted on the shaft having an operative edge situated between the rolling member and the cover plate, an impingement surface concentrically surrounding the operative edge is provided cooperating with the said slinger ring in such a way that the lubricant associated with a specific rolling bearing is hurled away by the operative edge of the said slinger ring and collected by the impingement surface and resupplied to the associated rolling bearing, and that the cage is shaped in such a way that during operation it serves through its movement to convey the lubricant collected by the impingement surface further towards the rolling members.



(Com. 14 pages;

Drwgs. 3 sheets)

Ind. Class : 196 A [XXVI(4)]

172432

Int. Class⁴ : F 01 C1/00.

RADIAL FAN WHICH IS ARRANGED COAXIALLY IN A CYLINDRICAL AIR-PASSAGE HOUSING.

Applicant : ASEA BROWN BOVERI LTD. OF BADEN, SWITZERLAND : A SWISS COMPANY.

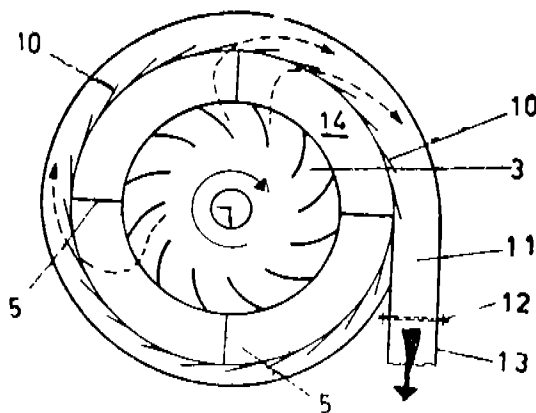
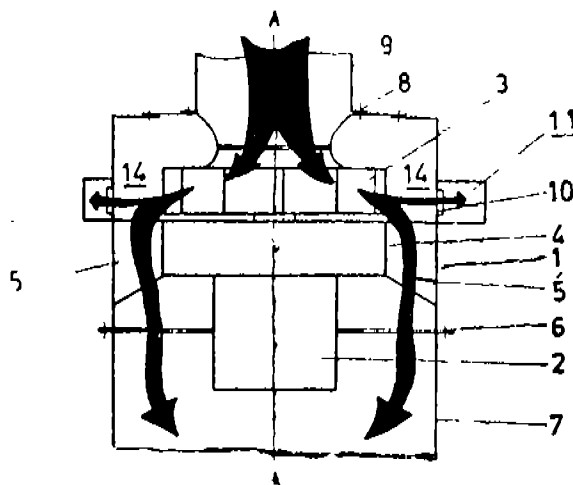
Inventor : CHRISTIAN FLORIN.

Application No. 269/MAS/89 filed on 10th April 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

Radial fan which is arranged coaxially in a cylindrical air-passage housing (1), having axial inflow and essentially axial outflow through an annular space (14) between radial fan impeller (3) and housing wall, wherein at the level of the radial fan impeller (3), the housing wall is provided over its entire periphery with guide devices (10, 16) which form between them outlet channels (15) or orifices through which a fraction of the air conveyed by the radial ventilator can be conducted into a separating space (11) which essentially surrounds the said annular space (14) in an annular manner.



(Comp. Specn. 9 pages;

Drwg. 2 sheets)

Ind. Class : 65 B3 [LVII2]

172433

Inventors :

Int. Class⁴ : H 01 F—15/10.

TAP SELECTOR FOR A TAPPED TRANSFORMER.

Applicant : MASCHINENFABRIK REINHAUSEN GmbH
OF FALKENSTEINSTRASSE 8, 8400 REGENSBURG
FEDERAL REPUBLIC OF GERMANY A COMPANY OR-
GANISED UNDER THE LAWS OF THE FEDERAL RE-
PUBLIC OF GERMANY.

Inventors :

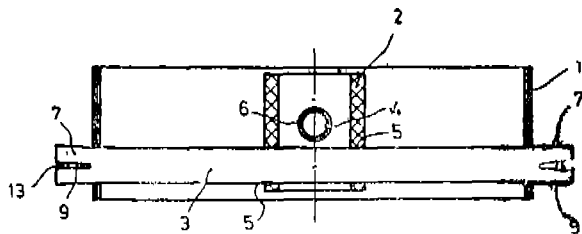
1. ALEXANDER BLEIBTREU.
2. LEO PILLMEIER.

Application No. 501/MAS/89 filed on 28th June 1989.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

A tap selector for a tapped transformer, the selector comprising a cylinder of insulating material, a plurality of stationary contacts mounted on the wall of the cylinder, a plurality of movable contacts co-operable with the stationary contacts, a drive shaft mounted in a bearing in the cylinder and rotatable to move the movable contacts into and out of contact with the stationary contacts, and a plurality of tubular rods of insulating material which extends transversely with respect to the axis of the cylinder and which pass through the bearing and the wall of the cylinder thereby to secure the bearing to the cylinder, the end portions of the rods being slotted and expanded by wedging means so as to locate the rods relative to the wall of the cylinder.



(Comp. Specn. 9 pages;

Drwg 4 sheets)

Ind. Class : 40-B [GROUP—IV(1)]

172434

Int. Cl.⁴ : B 01 J 23/00.

A PROCESS FOR PREPARING A MODIFIED CATALYST SUPPORT SUITABLE FOR THE PREPARATION OF SUPPORTED SILVER CATALYST.

Applicant : THE DOW CHEMICAL COMPANY, A COR-
PORATION ORGANIZED AND EXISTING UNDER THE
LAWS OF THE STATE OF DELAWARE, U.S.A., OF 2030
DOW CENTER, ABBOTT ROAD, MIDLAND, MICHIGAN-
48640, U.S.A.

(1) JOHANNES MARINUS WIGMAN.

(2) JACOBUS ELISABETH BONGAARTS.

(3) JOHN WILHELM GEUS.

(4) GARMT RICHRDO MEIMA.

Application No. 834/MAS/90 filed October 18, 1990.

Divisional to Patent No. 168853 (855/MAS/86); Ante-
dated to October 31, 1986.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims (No drawing)

A process for preparing a modified catalyst support suitable for the preparation of supported silver catalyst comprises impregnating a carrier material such as oxide compound having a surface area of less than 20 m²/g with a solution of tin or iron complex, the viscosity of which is not decreased upon heating, then subsequently evaporating the solvent to leave tin, iron or a compound thereof on the surface of the said carrier material to obtain a modified catalyst support.

(Com. 19 pages)

Ind. Class : 50-E [VII(1)]

172435

Int. Class⁴ : F 04 B 39/02.

A HERMETIC COMPRESSOR.

Applicant : TECUMSEH PRODUCTS COMPANY, A
CORPORATION OF THE STATE OF MICHIGAN, UNITED
STATES OF AMERICA, OF 100 EAST PATTERSON
STREET, TECUMSEH, MICHIGAN 49286, U.S.A.

Inventor : RONALD R WISNER.

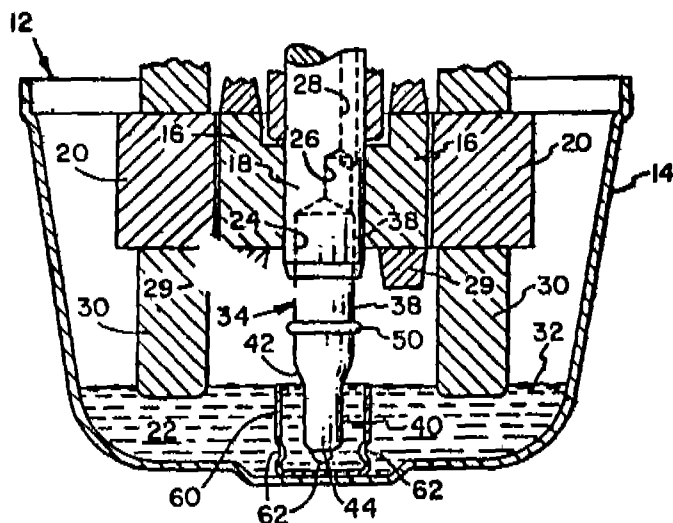
Application No. 583/MAS/89 filed on 7th August 1989.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

A hermetic compressor (12) comprising an outer housing (14), a lubricant sump (22) in the bottom of said housing, and a rotatable shaft (18) vertically disposed in said housing above the lubricant level (32) in the sump, characterized by a lubricant pick-up tube (34) comprising one end (38) attached to said shaft for rotation therewith and an opposite end (40) extending vertically into said lubricant sump, said tube being open at both ends and having an axial bore (46) defined by an inner wall (47) of said tube, said bore extending upwardly therethrough from said opposite end and having annularly disposed recess means (50) defined by said inner wall extending radially outwardly from the inner surface of said pick-up tube for trapping foreign particles (52) as they move up said pick-up tube by centrifugal force, the wall of said

tube being substantially imperforate in the area of said recess means.



(Com. Specn. 16 pages;

Drwg 1 sheet)

Ind. Class : 146-C [GROUP—XXXVIII(2)]

172436

Int. Cl.⁴: G 01 P 3/36.

APPARATUS FOR CONTROLLING THE VELOCITY OF A FIRST MEMBER MOVABLE RELATIVE TO A SECOND MEMBER IN A HIGH PRECISION APPARATUS.

Applicant : RANK TAYLOR HOBSON LIMITED, A BRITISH COMPANY OF 2, NEW STAR ROAD, LEICESTER LE4 7JQ.

Inventor : PETER DEAN ONYON.

Application No. 841/MAS/90 filed October 22, 1990.

Convention date : December 12, 1985; (No. 8530577; United Kingdom).

Divisional to Patent No. 169312 (892/MAS/86);

Ante-dated to November 18, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

Apparatus for controlling the velocity of a first member movable relative to a second member in a high precision apparatus such as a metrological instrument, comprising an optical grating fixed relative to one of the members, transducer means fixed relative to the other member and arranged for receiving light from the optical grating to produce two signals which are substantially in quadrature and have a frequency dependent upon the said velocity, computing means for receiving said two signals as input signals, providing a first value dependent upon a derivative of one of the input signals, a second value dependent on the magnitude of the other input signal and dividing one of the values by the other to obtain a third value as a function of the said velocity, and control means responsive to said third value for controlling said velocity.

(Com. 24 pages;

Drwgs 3 sheets)

Ind. Class : 128-B&G [GROUP—XIX(2)]

Ind. Class : 128-B&G [GROUP—XIX(2)]
C 08 G 63/00.

172437

AN ORTHOPEDIC/ORTHOTIC CAST.

Applicant : UNION CARBIDE CORPORATION, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, U.S.A., OF OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT-06817, UNITED STATES OF AMERICA.

Inventor : LLOYD MAHLON ROBESON.

Application No. 854/MAS/90 filed October 25, 1990.

Divisional to Patent Application No. 2/MAS/87;

Ante-dated to January 2, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

15 Claims

An orthopedic/orthotic cast configured to conform to at least one portion of the animal or human anatomy so as to immobilise said portion, said cast comprising a blend of:

(a) from 90 to 65 weight percent of an aliphatic polyester having a crystalline melting point of from 57-70°C.

(b) from 10 to 35 weight percent of a thermoplastic polyurethane, said polyurethane comprising up to 65 weight percent of a hard block segment formed by the reaction of a diisocyanate and an aliphatic polyol, and at least 35 weight percent of a soft block segment comprising of at least one of a polyether or a polyester polyol.

(Com. 31 pages;

Drwgs. 1 sheet).

Ind. Class : 97-C [GROUP—LIX(2)]

172438

Int. Cl.⁴: H 05 B 3/10.

AN ELECTRICAL HEATING CABLE.

Applicant : THERMON MANUFACTURING COMPANY, A COMPANY INCORPORATED IN THE STATE OF TEXAS, USA, OF 100 THERMON DRIVE, SAN MARCOS, TEXAS 78666, UNITED STATES OF AMERICA.

Inventors :

(1) DAVID CURTIS GOSS.

(2) CHANDRAKANT MANISHANKAR YAGNIK.

Application No. 919/MAS/90 filed November 14, 1990.

Divisional to Patent No. 169230 (840/MAS/87);

Ante-dated to November 20, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

An electrical heating cable comprising first and second electrical conductor means extending substantially parallel to and spaced from each other along the length of the cable for carrying electrical current; electrically resistive heating means for generating heat located substantially parallel to said electrical conductor means; means for electrically connecting alternately said resistive heating means to said electrical conductor means to establish an alternating series of electrical connections on opposite sides of the cable between said first electrical conductor means and said resistive heating means and said second electrical conductor means and said resistive heating means; heat conducting dielectric means for conducting heat from said resistive heating means, positioned adjacent said resistive heating means and between said first and second electrical conductor means; and protective cover encasing said electrical conductor means, said resistive heating means and said dielectric means, wherein said heat conducting dielectric means comprises first and second individual heat conducting dielectric means for conducting heat from said resistive heating means positioned adjacent said resistive heating means, said first individual heat conducting dielectric means positioned between said first electrical conductor means and said resistive heating

means and said second individual heat conducting di-electric means positioned between said first electrical conductor means and said resistive heating means.

(Com. 15 pages;

Drwgs. 2 sheets)

Ind. Class : 172-E [GROUP—XX]

172439

nt. Cl.^a : B 65 H 54/54.

A CHUCK FOR A WINDING MACHINE.

Applicant: MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND OF WINTERTHUR, SWITZERLAND.

Inventors :

- (1) HEINZ MUTTER.
- (2) RUEDI SCHNEEBERGER.
- (3) ERWIN HOLBEIN.

Application No. 967/MAS/90 filed November 29, 1990.

Divisional to Patent Application No. 691/MAS/87; Ante-dated to September 23, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A chuck for a winding machine with an axially movable first part (16; 96A), a second part (28, 86A) axially spaced from the said first part, an elastically deformable body (40; 50; 40A) between the said parts to bias the said parts in the direction of increasing spacing between the said parts, and with tube gripping elements (34) movable radially in response to axial movement of the said first part characterised in that the said elastically deformable body (40; 50; 40A) is shear loaded by shear loading means to generate the said bias.

(Com. 21 pages;

Drwgs. 3 sheets)

Ind. Class : 32-F-3(c) & 39-K [GROUPS—IX(1) & III]

172440

Int. Cl.^a : C 07 C 31/04 & C 01 B 31/18.

A PROCESS FOR PRODUCING METHANOL AND CARBON MONOXIDE SIMULTANEOUSLY.

Applicant: LINDE AKTIENGESSELLSCHAFT, A GERMAN COMPANY, OF ABRAHAM-LINCOLN-STRASSE 21, D6200, WIESBADEN, FEDERAL REPUBLIC OF GERMANY.

Inventors :

- (1) MANFRED LENBECK.
- (2) HANS JUNGFER.

Application No. 31/MAS/91 filed January 18, 1991.

Divisional to Patent Application No. 297/MAS/87;

Ante-dated to April 23, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

A process for producing methanol and carbon monoxide simultaneously from a mixture of light hydrocarbons comprising the steps of partially oxidizing the light hydrocarbon feed at a pressure of 50 to 120 bar to obtain a gas stream essentially containing hydrogen, carbon monoxide and carbon dioxide scrubbing in a known manner the said gas stream in a scrubber, drawing a portion of the scrubbed gas stream containing hydrogen, carbon monoxide and carbon dioxide from the middle of the washing column and subjecting it to catalytic methanol synthesis at a pressure of 50-100 bar to obtain methanol, the remaining portion of the scrubbed gas-stream is drawn from the head of the washing column and is subjected to partial condensation to obtain carbon monoxide.

(Com. 15 pages;

Drwg. 1 Sheet)

PATENT SEALED

ON 2-7-1993

169874 170037 170395 170397* 170399 170400* 170401*
170403* 170405 170406* 170407 170409* 170411 170413
170419 170421 170422 170424* 170428 170432* 170434
170435 170437 170438* 170442 170446 170447 170453*
170454 170455 170456 170457 170461* 170469* 170642*
170648 170680 170715* 171407*.

Cal-05, Bom-00, Del-16, Mas-18.

*Patent shall be deemed to be endorsed with the words "LICENCE OF RIGHT" Under Section 87 of the Patent Act, 1970 from the date of expiration of three years from the date of sealing.

Registration of Assignment, licences etc. (Patents).

Assignments, licence or other transactions affecting the interest of the original Patentee have been registered in the following cases.

154449—THEYSOHN EXTRUSIONSTECHNIK
GESSLSCHAFT M.B.H.

Registration of assignment, licences etc.

Assignments, licences or other transaction affecting the interest of the original Patentee have been registered in following cases.

162750—OIS OPTICAL IMAGING SYSTEMS, INC.

Registration of assignment, licences etc.

Assignments, licences or other transaction affecting the interest of the original Patentee have been registered in following cases.

168805—MERPRO MONTASSA LIMITED.

OPPOSITION PROCEEDINGS

The Opposition entered by EAGLE FLASK INDUSTRIES LIMITED, to the grant of a Patent on Application No. 171439 made by DR. JOSE THAKATTIL as notified in Part III, Section 2 of the Gazette of India, dated 24th April 1993 could not proceed further due to non-filing of the Written Statement and the Application is ordered to be sealed.

CESSATION OF PATENTS

147344 147941 148299 148468 148719 148818 148853 148867
148878 148893 148894 148913 148937 149059 149128 149208
149213 149251 149394 149410 149450 149595 149661 149670
149688 149689 149690 149692 149733 149763 149764.

RENEWAL FEES PAID

152602 152955 153708 154146 154436 154673 155170 155496
155987 157955 158104 158699 158771 158818 158820 159557
159615 159737 159738 160085 160326 160810 160817 160818
160870 160847 161074 161384 161385 161400 161512 161554
161607 161697 162110 162149 162214 162554 162908 163379
163536 163968 163970 164139 164593 164767 165422 165459
165539 165540 165658 165847 165901 165902 165905 167102
167165 167693 167982 168622 168821 168995 169336 169553
169618 169679 169738 170171 170255 170643.

NO CASE WAS ACCEPTED WITHIN THE FOLLOWING INTERNATIONAL CLASSES

SECTION-A : HUMAN NECESSITIES

A	01	C	: Planting; Sowing; Fertilising.
A	01	F	: Processing of harvested produce; Hay or straw presses; Devices for storing agricultural or horticultural produce.
A	01	L	: Shoeing of animals.
A	21	B	: Bakers ovens; Machines or equipment for baking.
A	22	B	: Slaughtering.
A	23	C	: Dairy products, e.g. milk, butter, cheese, Milk or cheese substitutes; Making thereof.
A	23	K	: Fodder.
A	23	P	: Shaping or working of foodstuffs, not fully covered by a single other sub-class.
A	41	B	: Underwear; Baby linen; Handkerchiefs.
A	41	C	: Corsets.
A	41	D	: Outwear; Protective garments; Accessories.
A	41	F	: Garment fastenings; Suspenders.
A	41	G	: Artificial flowers; wigs; Masks; Feathers.
A	42	B	: Hats; Head coverings.
A	42	C	: Manufacturing or trimming hats or other head coverings.
A	43	B	: Footwear.
A	43	D	: Machines; Tools; Equipment; Methods.
A	44	C	: Jewellery; Bracelets; Other personal adornments; Coins.
A	45	B	: Walking sticks; Umbrellas; Ladies or like fans.
A	45	D	: Hairdressing or shaving equipment; Manicuring or other cosmetic treatment.
A	45	F	: Travelling or camp equipment.
A	46	D	: Manufacture of brushes.
A	47	F	: Special furniture, fittings, or accessories for shops, storehouse, bars, restaurants, or the like; Paying counters.
A	61	C	: Dentistry; Oral or dental hygiene.
A	61	D	: Veterinary instruments, implements, tools or methods.
A	61	J	: Putting-up pharmaceutical products; Devices for administering food or medicines orally; Baby comforters; Devices for receiving spittle.
A	61	N	: Electrotherapy; Magnetotherapy; Radiation therapy.
A	62	C	: Fire-fighting.
A	62	D	: Chemical means for extinguishing fires or for combating or protecting against harmful chemical agents; Chemical materials for use in breathing apparatus.
A	63	C	: Skates; Skies; Water-shoes; Roller skates; Courts; Rinks.
A	63	D	: Bowling-alleys; Bowling games; Boccia; Bowls; Bagatelle; Billiards.
A	63	F	: Card, board, or roulette games; Indoor games using small moving playing bodies; Miscellaneous games.
A	63	J	: Devices for theatres, circuses, or the like; Conjuring appliances or the like.
A	63	K	: Racing; Riding sports; Equipment or accessories therefor.

SECTION-B : PERFORMING OPERATIONS; TRANSPORTING

B	01	B	: Boiling; Boiling apparatus.
B	09	B	: Disposal of solid waste.
B	21	G	: Making needles, pins, or nails.
B	21	K	: Making forged or pressed products, e.g. horseshoes, rivets, bolts, wheels.

B	21	L	: Making chains.
B	23	G	: Thread cutting; Working of screws, bolt heads, or nuts, in conjunction therewith.
B	23	H	: Working of metal by the action of a high concentration of electric current on a workpiece using an electrode which takes the place of a tool; Such working combined with other forms of working of metal.
B	24	D	: Tools for grinding, buffing, or sharpening.
B	25	B	: Tools or bench devices not otherwise provided for, for fastening, connecting, disengaging, or holding.
B	25	C	: Hand-held nailing or stapling tools; Manually-operated portable stapling tools.
B	25	D	: Percussive tools.
B	25	F	: Combination or multi-purpose tools not otherwise provided for; Details or component of portable power-driven tools not particularly related to the operations performed and not otherwise provided for.
B	25	H	: Workshop equipment, e.g. for marking-out work; Storage means for workshops.
B	25	J	: Manipulators; Chambers provided with manipulation devices.
B	26	B	: Hand-held cutting tools not otherwise provided for.
B	26	F	: Perforating; Punching; Cutting-out; Stamping-out; Severing by means other than cutting.
B	27	B	: Saws.
B	27	C	: Planing, drilling, milling, turning, or universal machines.
B	27	D	: Working veneer or plywood.
B	27	F	: Dovetailed work; Tenons; slotting machines; Nailing or stapling machines.
B	27	G	: Accessory machines or apparatus; Tools; Safety devices, e.g. for saws.
B	27	H	: Bending; Cooperage; Wheel-making.
B	27	J	: Mechanical working of cane, cork, or similar material.
B	27	M	: Working of wood not provided for in sub-classes B 27 B to B 27 L: Manufacture of specific wooden articles.
B	27	N	: Manufacture by dry processes of articles, with or without organ blinding agents, made from particles, or fibres consisting of wood or other lignocellulosic or like organic material.
B	29	K	: Indexing scheme associated with subclasses B 29 B, C or D, relating to moulding materials (For indexing only).
B	29	L	: Indexing scheme associated with sub-class B 29 C, relating to particular articles (For indexing only).
B	31	C	: Making wound articles, e.g. wound tubes.
B	31	F	: Mechanical working or deformation of paper or cardboard.
B	41	B	: Machines or accessories for making, setting, or distributing type; Type; Photographic or photoelectronic composing devices.
B	41	C	: Processes for the manufacture or reproduction of printing surfaces.
B	41	D	: Apparatus for the mechanical reproduction of printing surfaces for stereotype printing; Shaping elastic or deformable material to form printing surfaces.
B	41	G	: Apparatus for bronze printing, line printing, or for boarding or edging sheets or like articles, Auxiliary apparatus for perforating in conjunction with printing.
B	41	J	: Typewriters, Selective printing mechanisms, i.e. mechanisms printing otherwise than from a forme; Correction of typographical errors.
B	41	K	: Stamps, Stamping or numbering apparatus for devices.
B	41	N	: Printing plates or foils; Materials for surfaces used in printing machines for printing, inking, damping, or the like; Preparing such surfaces for use or conserving them.

B	42	B	: Permanently attaching together sheets, quires, or signatures, or permanently attaching objects thereto.
B	42	C	: Bookbinding.
B	42	D	: Books; Book covers, Loose leaves; Printed matter of special format or style not otherwise provided for; Devices for use therewith; Movable strip writing or reading apparatus.
B	42	F	: Sheets temporarily attached together, Filling appliances; File cards; Indexing.
B	43	K	: Instruments for writing; Drawing pens.
B	43	M	: Bureau accessories not otherwise provided for.
B	44	B	: Machines, apparatus, or tools for artistic work, e.g. for sculpturing, guilloching, carving, branding, inlaying.
B	44	C	: Producing decorative effects: Mosaics; Tarsia work; Paperhanging.
B	44	D	: Painting or artistic drawing not otherwise provided for; Preserving paintings; Surface treatment to obtain special artistic surface effects or finishes.
B	60	E	: Vehicle wheels; Castors; Axles; Increasing wheel adhesion.
B	60	F	: Vehicles for use both on rail and on road; Amphibious or like vehicles; Convertible vehicles.
B	60	H	: Arrangements or adaptations of heating, cooling, ventilating, or other air-treating devices specially for passenger or goods spaces of vehicles.
B	60	M	: Power supply lines, or devices along rails, for electrically-propelled vehicles.
B	60	N	: Vehicle passenger accommodation not otherwise provided for.
B	60	S	: Servicing, cleaning, repairing, supporting, lifting, or manoeuvring of vehicles, not otherwise provided for.
B	60	V	: Air-cushion vehicles.
B	61	G	: Couplings; Draught or buffing appliances.
B	62	H	: Cycle stands; Supports or holders for parking or storing cycles; Appliances preventing or indicating unauthorized use or theft of cycles; Locks integral with cycles; Devices for learning to ride cycles.
B	62	M	: Rider propulsion of wheeled vehicles or sledges, Powered propulsion of sledges or cycles; Transmissions specially adapted for such vehicles.
B	63	G	: Offensive or defensive arrangements on vessels; Mine-laying Mine-sweeping; Submarines; Aircraft carriers.
B	63	H	: Marine propulsion or steering.
B	63	J	: Auxiliaries on vessels.
B	64	B	: Lighter-than-air-craft.
B	64	G	: Cosmonautics; Vehicles or equipment therefor.
B	65	C	: Labelling or tagging machines, apparatus or processes.
B	67	B	: Applying closure members to bottles, jars, or similar containers; Opening closed containers.
B	67	C	: Cleaning, filling with liquids or semiliquids, or emptying, of bottles, jars, cans, casks, barrels, or similar containers, not otherwise provided for; Funnels.
B	68	B	: Harness; Devices used in connection therewith, Whips or the like.
B	68	C	: Saddles; Stirrups.
B	68	F	: Making articles from leather, canvas, or the like.
B	68	G	: Methods, equipment, or machines for use in upholstering, Upholstery not otherwise provided for.

SECTION-C : CHEMISTRY; METALLURGY

C	01	D	: Compounds of alkali metals, i.e. lithium, sodium, potassium, rubidium, caesium, or francium.
C	06	F	: Matches; Manufacture of matches.

C	07	J	: Steroids.
C	09	F	: Natural resins; French polish; Drying-oils; Driers (Siccatives); Turpentine.
C	09	H	: Preparation of glue or gelatine.
C	10	F	: Cutting, drying, or working-up of peat.
C	10	K	: Purifying or modifying the chemical compositions of combustible technical gases containing carbon monoxide.
C	11	C	: Fatty acids from fats, oils, or waxes; Candles; Fats, oils or fatty acids by chemical modification of fats, oils, or fatty acids obtained therefrom.
C	12	F	: Distillation or rectification of fermented solutions; Recovery of by-products; Denaturing of, or denatured alcohol.
C	12	H	: Pasteurisation; Sterilisation; Preservation; Purification; Clarification; Ageing.
C	12	J	: Vinegar, Its preparation.
C	12	L	: Pitching or depitching machines; Cellar tools.
C	12	Q	: Measuring or testing processes involving enzymes or micro-organisms; Compositions or test papers therefor; Processes of preparing such compositions; Condition-responsive control in microbiological or enzymological processes.
C	12	R	: Indexing scheme associated with sub-classes C 12 C to C 12 Q, relating to micro organisms (For indexing only).
C	13	C	: Cutting mills; Shredding knives; Pulp presses.
C	13	G	: Evaporation apparatus; Boiling pans.
C	13	H	: Cutting machines for sugar; Combined cutting, sorting and packing machines for sugar.
C	14	B	: Mechanical treatment or processing of skins, hides, or leather in general; Pelt-shearing machines, Intestine-splitting machines.
C	22	F	: Changing the physical structure of non-ferrous metals or non-ferrous alloys.
C	25	F	: Processes for the electrolytic removal of materials from objects; Apparatus therefor.

SECTION-D : TEXTILES; PAPER

D	01	C	: Chemical treatment of natural filamentary or fibrous material to obtain filaments or fibres for spinning; Carbonising rags to recover animal fibres.
D	02	H	: Warping, beaming, or leasing.
D	03	J	: Auxiliary weaving apparatus, Weavers tools; Shuttles.
D	04	C	: Braiding or manufacture of lace, including bobbin-net or carbonised lace, Braiding machines; Braid; Lace.
D	04	D	: Trimmings; Ribbons, tapes, or bands, not otherwise provided for.
D	04	G	: Making nets by knotting of filamentary material; Making knotted capets or tapestries; Knotting not otherwise provided for.
D	05	B	: Sewing.
D	05	C	: Embroidering; Tufting.
D	06	C	: Finishing, drossing, tentering, or stretching textile fabrics.
D	06	G	: Mechanical or pressure cleaning of carpets, rugs, sacks, hides, or other skin or textile articles, or fabrics; Turning inside-out flexible tubular or other hollow articles.
D	06	J	: Pleating, kilting, or goffering textile fabrics or wearing apparel.
D	06	L	: Bleaching, e.g. optical bleaching, dry-cleaning, or washing fibres, threads, yarns, fabrics, feathers, or made-up fibrous goods; Bleaching leather; or furs.
D	06	N	: Wall, floor, or like covering materials, e.g. linoleum, oilcloth, artificial leather, roofing felt, consisting of a fibrous web coated with a layer of macromolecular material; Flexible sheet material not otherwise provided for.

D	06	Q	: Decorating textiles.
D	07	B	: Ropes of cables in general.
D	21	B	: Fibrous raw materials or their mechanical treatment.
D	21	D	: Treatment of the digested materials before passing to the paper-making machine; Processes for adding substances to the formed web on the paper-making machine.

SECTION-E : FIXED CONSTRUCTIONS,

E	01	H	: Street cleaning ; Cleaning of permanent ways ; Cleaning beaches; Cleaning land; Dispersing fog in general.
E	02	C	: Ship-lifting devices or mechanisms.
E	03	F	: Sewers; Cesspools.
E	05	B	: Locks; Accessories therefor; Handcuffs.
E	05	C	: Bolts or fastening devices for wings, specially for doors or windows.
E	05	D	: Hinges or other suspension devices for doors, windows, or wings.
E	05	F	: Devices for moving wings into open or closed position; Checks for wings ; Wing fittings not otherwise provided for, concerned with the functioning of the wing.
E	05	G	: Safes or strong-rooms for valuables; Bank protection devices, Safety trans-action partitions.
E	06	C	: Ladders.

SECTION-F : MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING

F	01	C	: Rotary-piston or oscillating piston machine or engines.
F	01	K	: Steam engine plants ; Steam accumulators ; Engine plants not otherwise provided for, Engines using special working fluids of cycles.
F	01	M	: Lubricating of machines or engines in general; Lubricating internal-combustion engines ; Crankcase ventilating.
F	02	G	: Hot-gas or combustion product positive displacement engine plants; Use of waste heat of combustion engines, not otherwise provided for.
F	02	K	: Jet-propulsion plants.
F	02	P	: Ignition, other than compression ignition, for internal-combustion engines; Testing of ignition timing in compression-ignition engines.
F	03	C	: Positive-displacement engines driven by liquids.
F	03	H	: Producing a reactive propulsive thrust, not otherwise provided for.
F	15	D	: Fluid dynamics, i.e. methods or means for influencing the flow of gases or liquids.
F	16	S	: Constructional elements in general ; Structures built-up from such elements, in general.
F	17	B	: Gas-holders of variable capacity.
F	17	C	: Vessels for containing or storing compressed, liquified, or solidified gases ; Fixed-capacity gas-holders, Filling vessels with, or discharging from vessels, compressed, liquified, or solidified gases.
F	21	H	: Mantles; Other incandescent bodies heated by combustion.
F	21	K	: Light sources not otherwise provided for.
F	21	L	: Portable lighting devices.

F	21	M	: Non-portable beam lighting devices or systems.
F	21	P	: Non-portable devices or systems for flood-lighting buildings, lighting fountains, lighting stages, or festival lighting.
F	21	Q	: Non-portable lighting devices for signalling.
F	21	S	: Non-portable lighting devices or systems, not otherwise provided for.
F	21	V	: Details of lighting devices, of general application.
F	22	G	: Superheating of steam.
F	23	K	: Feeding fuel to combustion apparatus.
F	23	L	: Air-supply ; Draught-inducing ; Supplying non-combustible liquid or gas.
F	23	N	: Regulating or controlling combustion.
F	23	Q	: Ignition ; Extinguishing devices.
F	23	R	: Generating combustion products of high pressure or high velocity ; e.g. gas-turbine combustion chambers.
F	24	B	; Domestic stoves or ranges for solid fuels.
F	24	D	: Domestic, or space-heating systems, e.g. central heating systems, Domestic hot-water supply systems, Elements or components therefor.
F	25	C	: Production, working, storing, or distribution of ice.
F	25	J	: Liquification, solidification, or separation of gases or gaseous mixtures by pressure and cold treatment.
F	28	B	: Steam or vapour condensers.
F	28	G	: Cleaning of internal or external surfaces of heat-exchange or heat-transfer conduits, e.g. water tubes of boilers.
F	41	F	: Ordnance; Guns; Mountings or carriages therefor; Missile launchers; Recoilless guns; Harpoon guns.
F	41	H	: Armour; Armoured turrets; Armoured or armed vehicles; Means of attack or defence, e.g. camouflage, in general.
F	41	J	: Targets, Target ranges, Bullet catchers.
F	42	D	: Blasting.

SECTION-G : PHYSICS

G	01	W	: Meteorology.
G	03	C	: Photosensitive compositions or bases carrying them; Photographic processes, e.g. cine, X-ray, colour, stereo-photographic processes, Auxiliary processes in photography.
G	03	F	: Photomechanical production of textured or patterned surfaces, e.g. for printing, for processing of semiconductor devices; Original therefor.
G	04	B	: Mechanically-driven clocks or watches; Mechanical parts of clocks or watches in general; Time-pieces using the position of the sun, moon, or stars.
G	04	C	: Electromechanical clocks or watches.
G	04	D	: Apparatus or tools specially designed for making or maintaining clocks or watches.
G	04	G	: Electronic time-piece.
G	06	J	: Hybrid computing arrangements.

G	06	M	: Counting mechanisms: Counting of objects not otherwise provided for.
G	07	D	: Sorting, testing changing, delivering, or otherwise handling coins, Testing or changing paper currency: Testing securities, bonds, or similar valuable papers.
G	07	F	: Coin-freed or like apparatus.
G	09	C	: Cipherring or deciphering apparatus for cryptographic or other purposes involving the need for secrecy.
G	09	D	: Railway or like time or fare tables: Perpetual calendars.
G	10	B	: Organs: Harmoniums.
G	10	C	: Pianos.
G	10	D	: Musical instruments not otherwise provided for.
G	10	F	: Automatic musical instruments.
G	10	G	: Aids for music.
G	10	H	: Electrophonic musical instruments.
G	10	L	: Speech analysis or synthesis; Speech recognition.
G	12	B	: Details of instruments, or comparable details of other apparatus, not otherwise provided for.
G	21	B	: Fusion reactors.
G	21	C	: Nuclear reactors.
G	21	D	: Nuclear power plant.
G	21	F	: Protection against X-radiation, gamma radiation, corpuscular radiation, or particle bombardment, Decontamination arrangements: Treating radioactively contaminated material.
G	21	G	: Conversion of chemical elements: Radioactive sources.
G	21	H	: Obtaining energy from radioactive sources: Applications of radiation from radioactive sources: Utilising cosmic radiation.
G	21	J	: Nuclear explosives: Applications thereof.
G	21	K	: Techniques for handling particles or electromagnetic radiation not otherwise provided for: Irradiation devices: Gamma or X-ray microscopes.

SECTION-H : ELECTRICITY

H	02	N	: Electric machines not otherwise provided for.
H	03	C	: Modulation.
H	03	D	: Demodulation or transference of modulation from one carrier to another.
H	03	F	: Amplifiers.
H	03	G	: Control of amplification.
H	03	H	: Impedence network, e.g. resonant circuits: Resonators.
H	03	J	: Tuning resonant circuits; Selecting resonant circuits.
H	03	L	: Automatic control: starting, synchronisation, or stabilisation of generators of electronic oscillations or pulses.
H	04	H	: Broadcast communications.
H	04	N	: Pictorial communication, e.g. television.
H	04	S	: Stereophonic systems.
H	05	M	: Electric circuits or apparatus specially designed for use in equipment for killing, stunning, enclosing or guiding living beings.

SECTION—A : HUMAN NECESSITIES.

A 01 : AGRICULTURE; FORESTRY; ANIMAL HUSBANDRY; HUNTING; TRAPPING; FISHING.

A 01 B : Soil working in agriculture or forestry; Parts, details or accessories of agricultural machines or implements, in general.

Spenc. No.	Date of Spenc.	Applicant for patent,	Title of the Invention.	Date of Notifi- cation.	Int. Class.	Indian Classification.	Appli- cant Code.
1	2	3	4	5	6	7	8
167940 (252/Del /87)	07-09-87	COUNCIL OF SCIENTI- FIC AND INDUSTRIAL RESEARCH.	Multifunctional digging tool to function as spade-cum-hoe.	12-01-91	1/02.	95M	I.C.
168869 (219/Cal/88)	14-03-88	MRS. SHYAMA AGERWAL.	An agricultural Device.	29-06-91	3/00.	5-A.	I.I.
169133 (681/Del/87)	03-08-87	JEFFERSON APPRO- TRAAC COMPANY PTY. LIMITED.	Vehicle suitable for use in rough terrain.	07-09-91	51/02.	160-C	F.C.
A 01 D : Harvesting; Mowing.							
167954 (111/Del/87).	11-05-88	THUMSWAMY JOSEPN DAVID.	A crop reaper.	12-01-91	34/02, 34/39.	5-D.	I.I.
169331 (405/Cal/86).	30-05-86	BRADY INTERNATIO- NAL INC.	Rice bran processing apparatus.	28-09-91	82/00.	92-C, I.	F.C.
169630 (639/Mas/88).	24-02-89	UP PINANGADY VARADARAYA NAYAK.	A self resetting attachment device for attachment to an projection such as a bar, pole, stem or a frame member.	23-11-91	11/00.	5-C-Group-I(I), I.I.	
A 01 G : Horticulture; Cultivation of vegetables, flowers, rice, fruit, vines, hops, or Seaweed; Forestry; Watering.							
168843 (79/Bom/89)	27-03-89	POLYOLEFINS INDUS- TRIES LIMITED.	An improved multiple irriga- tion system.	22-06-91	25/02.	5-D, Gr. [1(1)]	I.C.
169772 (766/Cal/88)	12-09-88	DUNLOP INDIA LIMITED.	A method of producing a flexible receptacle for collect- ing natural rubber latex from trees and a flexible receptacle.	21-12-91	23/14.	104-G.	I.C
A 01 H : New Plants.							
168950 (919/Cal/87)	24-11-87	AGRACETUS.	Method of producing trans- formed cotton cells by tissue culture.	20-07-91	1/00.	5-D.	F.C.
169332 (920/Cal/87)	24-11-87	AGRACETUS.	An apparatus for injecting carrier particles carrying DNA into living cells.	28-09-91	1/00, 3/00.	5-D.	F.C.
A 01 J : Manufacture of dairy products.							
168734 (576/Cal/87)	27-07-87	VEB KOMBINAT FORT- SCHRITT LANDMAS- CHINEN NEUSTADT IN SACHSEN BERG- HAUSSTRABE.	A diaphragm pulsator for milking plants.	25-05-91	5/10.	67-B.	F.C.

1	2	3	4	5	6	7	8
169125 (215/Del/88)	17-03-88 ante dated to 05-11-86	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A process for the preparation of hard butter having reduced 9, 10-Dihydroxy-stearic acid (DHS) and diglycerides (DGS) content from sal fat useful as cocoa butter extender.	07-09-91	15/60.	83-A ₂ .	I.C.
169267 (973/Del/86)	05-11-86	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A process for the preparation of hard butter having reduced 9, 10-Dihydroxy stearic acid content from sal fat useful as cocoa butter extender.	21-09-91	15/00.	83-A.	I.C.
A 01 K : Animal husbandry, Care of birds, fishes, insects, Fishing.							
168279 (440/Cal/87)	12-06-90	METZ—MANNHEIM GMBH.	Fish tank for intensive fish fattening and arrangement for intensive fish fattening.	02-03-91	63/04.	82.	F.C.
A 01 M : Catching or trapping of animals, Apparatus for the destruction of noxious animals or noxious plants.							
168577 (467/Cal/87)	15-06-87	MELVIN MILLARD MELTON.	Animal trap.	04-05-91	1/00, 23/00.	7, 11-C, D.	F.I.
A 01 N : Preservation of bodies of humans or animals or plants or parts thereof ; Biocides. e.g. as disinfectants, as pesticides, as herbicides, Pest repellants or attractants, Plant growth regulators.							
168144 (03/Mas/88)	03-01-89	DETLA FREYBERG GMBH.	A method for producing a controlled gas release encapsulated pest control agent.	09-02-91	25/18, 59/26.	55-B ₂ -Group-XIX(1).	F.C.
168240 (984/Cal/88)	04-02-88	LUCKY LTD.	A process for the preparation of pyrethroid benzyl ester compounds.	23-02-91	53/00.	32-F ₁ -55-D ₂ .	F.C.
168255 (134/Cal/88)	15-02-88	ASAHI KASEI KOGYO KABUSHIKI KAISHA.	A process for preparing phosphamidothionate derivatives.	02-03-91.	57/00, 57/02.	32-F ₁ , F ₂ (a), F ₂ (c), 55-D ₂ .	F.C.
168298 (275/Del/87)	31-03-87	SANOSIL AG.	Process for preparing a disinfectant.	09-03-91	59/00.	55-A-XIX(1).	F.C.
168349 (1152/Del/87)	27-12-88	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A process for the preparation of 2, 4, 4, 4, . . . Tetrachlorobutyronitrile.	16-03-91	29/02.	32-F, 1-IX(1).	I.C.
168380 (1110/Del/87)	22-12-88	BALAMANI BEZBARUAH.	A process for the preparation of Bio insecticide.	23-03-91	63/00, 63/02.	55-D ₂ -XIX(1).	I.I.
168494 (864/Cal/87)	03-11-87	AMERICAN CYANAMID COMPANY.	A process for the preparation of 4-Cyano-4-(Fluoro phenyl) 3-(Substituted phenyl) butyric acid, esters and derivatives thereof.	13-04-91	37/74.	32-F ₁ ; 55-D ₂ .	F.C.
168522 (252/Cal/87)	30-03-87	AMERICAN CYANAMID COMPANY.	Process for preparing safened pelletized pesticide resin composition for controlling soil borne pests.	20-04-91	25/00, 25/32, 25/34.	55-D ₂ .	F.C.
168666 (179/ Mas/87)	13-03-87	REUTER LABORATORIES INC.	A method for producing milky disease bacillus spore in VITRO.	18-05-91	63/00.	55-D ₂ -Group-XIX(1).	F.C.

1	2	3	4	5	6	7	8
168675 (961/Cal/88)	18-11-88 ante dated to 10-10-85	INTERFACE RESEARCH CORPORATION.	A method of preparing a microbiocidal composition.	18-05-91	57/10.	55-D ₂ .	F.C.
168790 (78/Bom/89)	27-03-89 ante dated to 24-07-86	SEARLE (INDIA) LTD. of	A process for the preparation of aroyl ureas from aroyl- thioureas.	08-06-91	47/34.	32F1-IX(1) + 32F2(a) IX(1)+55D ₂ . XIX(1).	I.C.
168798 (1111/Del/87).	22-12-87	COUNCIL OF SCIENTI- FIC AND INDUSTRIAL RESEARCH.	A process for the preparation of new growth promoting agent to enhance root growth and plant proliferation.	08-06-91	63/00., 63/02.	123 I-I(4).	I.C.
169080 (601/Cal/90)	18-07-90	HOECHST AKTIENGE- SALISCHAFT.	An improved process for the preparation of 2, 6-Dichloro- quinoxaline.	31-08-91	43/00.	32-F ₁ , 55-D ₂ .	F.C.
169283 (1011/Mas/86).	24-12-86	1. SVEN-ERIK NIELSEN. 2. GRETE MEOERCH SOER-ENSEN.	A method for producing rhizobia F ₂ transconjugants.	21-09-91	65/00.	32-C-Group- IX(1).	F.I.
169427 (252/Bom/89)	12-09-89	THE TATA OIL MILLS COMPANY LIMITED.	A process for the manufacture of plant growth regulator from rice bran fatty acid dis- tillation residue.	12-10-91	25/00.	123	I.C.
169438 (477/Cal/87)	18-06-87	AMERICAN CYANAMID COMPANY.	Method for the preparation of anilino fumarate.	19-10-91	33/06.	32-F _{2a} + 55-D ₂ .	F.C.
169558 (610/Cal/88)	21-07-88	HODOGAYA CHEMICAL CO. LTD.	Process for producing a benzamide derivative.	09-11-91	37/22.	32-F ₁ + 55-D ₂ .	F.C.
169756 (1041/Cal/89)	18-12-89	ELI LILLY AND COM- PANY.	A process for preparing and A83543 microlide com- pound.	21-12-91	63/02.	55-D ₂ .	F.C.
169757 (1050/Cal/89)	19-12-89	HODOGAYA CHEMICAL CO. LTD.	Process for producing novel benzamide derivatives useful as plant growth regulants.	21-12-91	33/00.	33Ha 55-D ₂ .	F.C.
169817 (639/Del/88)	27-07-88	NISSAN CHEMICAL INDUSTRIES LTD.	A method of preparing a novel 3(2H)-pyridazinone derivative.	28-12-91	43/00, 43/48.	32F _{2b} & 55-D ₂ .	F.C.
169820 (502/Del/88)	07-06-88 ante dated to 15-11-85	DRYACIDE PTY. LTD.	A process for preparing a powdered insecticidal com- position.	28-12-91	25/04.	55-D ₂ .	F.C.
169838 (348/Cal/89)	09-05-89	LUXEMBOURG INDUS- TRIES (PAMOL) LTD.	A process for producing 3, 5, 6-Trichloropyridin-2-ol and alkali metal and alkaline earth metal salts thereof.	28-12-91	43/40.	32-F ₁ + 55-D ₂ .	F.C.

A 21 : BAKING ; EDIBLE DOUGHS.

A 21 C : Machines or equipment for making or processing doughs, Handling baked articles made from dough.

169155 (84/Mas/87)	06-02-87	RICHFORD HOLDING INC.	An apparatus for use when making a substantially circu- lar dough product.	07-09-91	3/02.	49E-Group- XV(1).	F.C.
169293 (986/Mar/86)	17-12-86	HEDEN-TEAM AKTIE- NGESELLISCHAFT.	An apparatus for auto- matically making food pro- ducts such as bread, cakes and the like.	21-09-91	1/00.	49F-Group XV(1).	F.C.

1	2	3	4	5	6	7	8
A 21 D : Treatment, e. g. preservation, of flour or dough, e.g. by addition of materials, Baking; Bakery products; Preservation thereof.							
169293 (986/Mas/86)	17-12-86	HEDEN-TEAM AKTIE-NGESELLSCHAFT.	An apparatus for automatically making food products such as bread, cakes and the like.	21-09-91	8/00.	49F-group-XV(1).	F.C.
169459 (196/Cal/88)	07-03-88	UNILEVER PLC.	Process for preparing a food-stuff such as croutons.	19-10-91	15/00, 15/08.	83-A-1.	F.C.
A 22 : BUTCHERING; MEAT TREATMENT; PROCESSING POULTRY OR FISH.							
A 22 C : Processing meat, poultry or fish.							
168649 (912/Mas/86)	27-11-86	ALBERT HANDTMANN MASCHINENFABRIK GMBH & CO. KG.	An improved process and apparatus for producing sausages.	11-05-91	11/00.	83A3-Group-XIV(5).	F.C.
A 23 : FOODS OR FOODSTUFFS; THEIR TREATMENT, NOT COVERED BY OTHER CLASSES.							
A 23 B : Preserving, e.g. by canning, meat, fish, eggs, fruit, vegetables, edible seeds; Chemical ripening of fruit or vegetables, The preserved ripened, or canned products.							
168769 (120/Cal/88)	10-02-88	MCCORMICK & COMPANY, INCORPORATED.	Method for treating fresh vegetable products such as spices and herbs.	01-06-61	7/00, 7/156, 9/00.	83-B ₄ .	F.C.
A 23 F : Coffee; Tea ; Their substitutes, Manufacture, preparation or infusion thereof.							
167982 (189/Cal/87)	09-06-88	STEELSWORTH PVT. LTD.	Improvements in or relating to C.T.C. machine.	19-01-91	3/12.	185-D ₁ .	I.C.
168035 (719/Mas/86)	08-09-86	HARIPRASAD PRASANNA.	A machine for fermenting tea.	26-01-91	3/08.	185-B-Group-XVIII.	I.I.
168038 (795/Mas/86)	08-10-86	SOCIETE DES PRODUITS NESTLE S.A.	A process for preparing an antifoam containing vegetable extract such as extracts of coffee or tea.	26-01-91	3/16, 5/24.	54-Group-XIV (3).	F.C.
168078 (718/Mas/86)	08-09-86	HARIPRASAD PRASANNA.	A machine for fermenting tea.	02-02-91	3/08.	185-B-Group-XVIII.	I.I.
168239 (909/Cal/88)	31-10-88	TRADE & INDUSTRY PRIVATE LIMITED.	Apparatus for drying tea leaves.	23-02-91	3/00.	185-C.	I.C.
168489 (789/Cal/87)	09-01-89	STEELS WORTH PVT. LTD.	An improved CTC machine used in processing of tea leaves.	13-04-91	3/00.	185-A, D ₁ , D ₂ .	I.C.
168545 (950/Cal/87)	03-12-87	M/S. STEELSWORTH PVT. LTD.	Improvements in or relating to a system for relieving blockage of CTC operation in a CTC machine.	20-04-91	3/00.	185-A.	I.C.
168595 (728/Mas/86)	11-09-86	SOCIETE DES PRODUITS NESTLE S.A.	Apparatus and process for roasting coffee.	04-05-91	5/04.	92-F-Group-I(3).	F.C.
168624 (861/Cal/87)	03-11-87	SKW TROSTBERG AKTIENGESELLSCHAFT.	Process for preparation of dearomatis and subsequently rearomatised tea.	11-05-91	3/00.	185-C.	F.C.
169019 (942/Cal/87)	01-12-87	M/S. STEELSWORTH PVT. LTD.	A multi-roller CTC machine.	17-08-91	3/12.	185-A, C.	I.C.

1	2	3	4	5	6	7	8
169097 (443/Cal/88)	31-05-88	UNILEVER PLC.	Method of stripping and recovery of aroma and flavour compounds from plant materials.	07-09-91	3/42, 5/48, 5/50.	54, 185-C.	F.C.
169113 (932/Mas/86)	02-12-86	JACOBS SUCHARD GMBH.	Process and apparatus for improving roasted coffee.	07-09-91	5/10.	185-E-Group-XVIII.	F.C.
A 23 G : Cocoa, Chocolate, Confectionery, Ice-cream.							
168525 (460/Cal/88)	06-06-88	LUCKY BIOTECH CORPORATION.	Process for producing novel proteinaceous sweeteners.	20-04-91	3/00.	83.	F.C.
168590 (305/Mas/90)	23-04-90	GIRIVAS VISWANATH SHET.	A method of preparing ash-wagandha ayurvedic milk chocolate.	04-05-91	1/00.	83A1 & 55E4-Group-XIV(5).	I.I.
A 23 J : Protein compositions for foodstuffs; working up proteins for foodstuffs; Phosphatide compositions for foodstuffs.							
168525 (460/Cal/88)	06-06-88	LUCKY BIOTECH CORPORATION.	Process for producing novel proteinaceous sweeteners.	20-04-91	3/00.	83.	F.C.
A 22 L : Foods, foodstuffs or non-alcoholic beverages, not covered by subclasses A 23B to A23 J; Their preparation or treatment, e.g. cooking, modification of nutritive qualities, physical treatment; Preservation of foods or foodstuffs, in general.							
168347 (951/Dcl/87)	30-10-87	DORR-OLIVER INCORPORATED.	A process for producing starch from cereals.	16-03-91	1/195	I-E-XLII(1).	F.C.
168565 (103/Cal/89)	01-02-89	AIR PRODUCTS AND CHEMICALS INC.	An improved freezer for freezing products including foodstuffs and a method for the same.	27-04-91	3/36	83-B _{1,5}	F.C.
168581 (717/Mas/86)	05-09-86	SOCIETE DES PRODUITS NESTLE S.A.	A process for producing sterilized food.	04-05-91	3/10.	83-B ₃ -Group-XIV(5).	F.C.
168649 (912/Mas/86)	27-11-86	ALBERT HANDTMANN MASCHINENFABRIK GMBH & CO. KG.	An improved process and apparatus for producing sausages.	11-06-91	1/00.	83-A ₃ -Group-XIV(5).	F.C.
168769 (120/Cal/88)	10-02-88	MCCORMICK & COMPANY INCORPORATED.	Method for treating fresh vegetable products such as spices and herbs.	01-07-91	1/212, 1/22, 3/34.	83-B ₄	F.C.
168803 (908/Cal/87)	19-11-87	AMERICAN NATIONAL CAN CO.	A method for producing a processed acid foodstuff.	08-06-91	1/211 1/277, 1/325, 3/34.	83-A ₁ , A ₃ , C ₃ , B ₄ .	F.C.
168896 (14/Cal/88)	06-01-88	SUR IKOS INC.	A process for plasma sterilisation using hydrogen peroxide.	06-07-91	3/34.	55-3,2.	F.C.
169570 (297/Mas/89)	20-04-89	SOCIETE DES PRODUITS NESTLE S.A.	A process for preparing dehydrated precooked cereal flakes.	09-11-91	3/34	83-A(1)-Group-XIV(5)	F.C.
169650 (649/Dcl/88)	28-07-88 ante dated to 02-05-86	HEINZ SCHAAF Nahrungsmittel-TRUSIONSTECHNIC.	An apparatus for extruding foodstuffs.	30-11-91	1/00.	32-A ₁ .	F.G.

1	2	3	4	5	6	7	8
169677 (661/Cal/88)	04-08-88	FRIGOSCANDIA CON- TRACTING AB	Freezing device.	30-11-91	3/36.	83-B1.	F.C.
169801 (842/Cal/87)	27-10-87	MCCORMICK & COM- PANY INCORPORATED.	Method of and apparatus for producing a sterilized new vegetable product.	28-12-91	3/00.	83-B.	F.C.
A 23 N : Machines or apparatus for treating harvested fruit, vegetables, or flower bulbs in bulk, not otherwise provided for, Peeling vegetables or fruit in bulk; Apparatus for preparing animal feeding-stuffs.							
168595 (728/Mas/86)	11-09-86	SOCIETE DES PRO- DUITS NESTLE S.A.	Apparatus and process for roasting coffee.	04-05-91	12/08.	92-F- Group-I(3).	F.C.
169113 (932/Mas/86)	02-12-86	JACOBS SUCHARD GMBH.	Process and apparatus for improving roasted coffee.	07-09-91	12/00.	185-E- Group-VXIII.	F.C.
A 24 : TOBACCO: CIGARS; CIGARETTES; SMOKERS' REQUISITES.							
A 24 B : Manufacture or preparation of tobacco for smoking or chewing; Tobacco; Snuff.							
168870 (591/Cal/89)	24-07-89 ante dated to 20-05-86	R.J. REYNOLDS TOBA- CCO COMPANY.	Cigarette type smoking article.	29-06-91	15/00	42-A ₂ D.	F.C.
169697 (754/Cal/88)	08-09-88	P.H. GLATFELTER COMPANY.	A wrapper for smoking articles.	07-12-91	15/00.	42-D.	F.C.
A 24 C : Machines for making cigars or cigarettes.							
168870 (591/Cal/89)	24-07-89 ante dated to 20-05-86	R.J. REYNOLDS TOBA- CCO COMPANY.	Cigarette type smoking article.	29-06-91	5/00.	42-A ₂ D.	F.C.
169131 (16/Del/87)	06-01-87	G.D. SOCIETA PER AZIONI.	Cigarette manufacturing machine with an auxiliary tobacco feed unit.	07-09-91	5/39.	42-A.	F.C.
169697 (754/Cal/88)	08-09-88	P.H. GLATFELTER COMPANY.	A wrapper for smoking articles.	07-12-91	1/00.	42-D.	F.C.
A 24 D : Cigars; Cigarettes; Tobacco smoke filters; Mouthpieces for cigars or Cigarettes; Manufacture of tobacco smoke filters or mouthpieces.							
168600 (968/Cal/86)	12-12-86	BRITISH-AMERICAN TOBACCO COMPANY LIMITED.	Improvements relating to smoking articles.	04-05-91	1/02.	42-A ₂ - Group-XVI.	F.C.
A 24 F : Smokers' requisites; Match boxes.							
168523 (385/Cal/88)	12-05-88 ante dated to 19-12-84	THE SCOPAS TECHNO- LOGY COMPANY INC.	Filter cartridges for pipes, cigars, cigarettes and the like.	24-04-91	13/06.	42-C.	F.C.
A 41 : WEARING APPAREL.							
A 41 H : Appliances for methods for making clothes, e.g. for dress-making, for tailoring not otherwise provided for.							
169736 (315/Cal/88)	19-04-88	BANKOKU NEEDLE MANUFACTURING CO. LTD.	Needle case.	14-12-91	19/00.	23 B,C.	F.C.

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A 43 : FOOTWEAR							
A 43 C : Fastenings, Laces; Attachments.							
168274 (36/Cal/87)	12-01-87	JOHN FREDERICK DOUGHERTY.	A device for removably securing a lace or the like	02-03-91	1/00 7/00 11/00.	60-B D;	F.I..
A 44 : HABERDASHERY; JEWELLERY.							
A 44 B : Buttons, pins, buckles, slide fasteners, or the like.							
168500 (909/Cal/87)	20-11-87	OPTI PATENT-FORSCHUNGSUND FABRIKATIONS—AG.	A method and device for manufacturing a slide fastener tape half comprising a stringer tape and a woven-on helical row of slide fastener links.	13-04-91	19/00.	76-E.	F.C.
169593 (408/Cal/88)	23-05-88	OPTI PATENT FORSCHUNGSUND FABRIKATIONS—AG.	Method of producing a continuous slide fastener strip.	16-11-91	19/00.	76-E.	F.C.
A 45 : HAND OR TRAVELLING ARTICLES.							
A 45 C : Purses, Travelling bags or baskets, Suitcases.							
168374 (276/Del/87)	31-03-87	DONALD FRANCIS ALMBLAD.	A key and card combination formed molded plastic material and presenting a one-piece unitary molding.	23-03-91	11/32	136-E-XIII.	F.I.
168701 (936/Del/85)	08-11-85	SAMSONITE CORPORATION.	An improved garment bag.	25-05-91	3/00.	13-A.	F.C.
168872 (83/Del/87)	02-02-87	SAMSONITE CORPORATION.	Luggage article comprising the combination of a garment bag and packing case.	29-06-91	3/00 3/08.	13-A.	F.C.
168878 (241/Del/88)	24-03-88 ante dated to 08-11-85	SAMSONITE CORPORATION.	An improved garment bag.	29-06-91	3/00.	13-A.	F.C.
169144 (909/Del/86)	14-10-86	SAMSONITE CORPORATION.	Luggage case.	07-09-91	3/00 3/02.	13-A.	F.C.
A 46 : BRUSHWARE							
A 46 B : Brushes.							
169805 (799/Cal/88)	26-09-88	RAJEEV KUMAR SAHU.	Improved toothbrush and tongue scraper assembly.	28-12-91	9/04.	26.	I.I.
A 47 : FURNITURE, DOMESTIC ARTICLES OR APPLIANCES, COFFEE MILLS, SPICE MILLS, SUCTION CLEANERS IN GENERAL.							
A 47 B : Tables, Desks, Office furniture, Cabinets, Drawers, General details of furniture.							
168429 (325/Mas/87)	06-05-87	ARULDOSS PATRICK.	A mobile storage system.	05-10-91	63/06.	86-A- Group-LXVI(4).	I.I.
169102 (867/Mas/86)	05-11-86	ARULDOSS PATRICK.	A medium duty adjustable racking system.	07-09-91	47/00. 57/00.	86-A- Group-LXVI(4).	I.I.

1	2	3	4	5	6	7	8
A 47 C s Chairs : Bof, Beds							
168785 (273/Bom/88)	21-09-88	VINAYK RAJARAM BARGE.	A folding portable mosquito net.	08-06-91	29/00.	86-E- LXVI(4).	I.I.
168825 (844/Cal/87)	28-10-87	KURT KIENLEIN.	Improvement relating to mattresses.	15-06-91	23/10.	86-B.	F.I.
169412 (342/Mas/87)	11-05-87	ELIZABETH SUGI FRANCIS.	An improved camp cot.	12-10-91	17/64.	86-B- Group-LXVI(4).	I.I.
169810	01-08-88	SICO INCORPORATED.	Portable riser section for Choral groups.	28-12-91	13/00.	86-B	F.C.
A 47 D : Furniture specially adapted for children							
169240 (1048/Del/86)	11-11-87	CHUNILAL LAKHAJI MISTRY.	An improved baby cradle.	14-09-91	9/00.	86-B.	I.I.
A 47 G : Household or table equipment							
167942 (21/Cal/88)	10-01-89	GUR CHARAN SAINI.	Compressible tea brewing device.	12-01-91	19/16.	80 I.	I.I.
169562 (358/Mas/87)	15-05-87	HIGH PATRICK CHRISTIE.	Method of and apparatus for manufacturing an infusible bag with a cover.	09-11-91	19/16.	54 & 185C- Groups-XIV(3) & XVIII.	F.I.
A 47 H : Furnishings for windows or doors							
168098 (979/Mas/86)	16-12-86	LUDVIG SVENSSON INTERNATIONAL B. V.	Curtain fabrics suitable for use in green houses or shade halls.	02-02-91	23/14.	86-D- Group-LXVI(4).	F.C.
A 47 J : Kitchenequipment, Coffee mills; Spice mills; implements for use in connection with cooking or heating stoves.							
167951 (01/Del/87)	02-01-87	IAN VERNON HODG- SON.	Combustion apparatus for use as a cooker space heater and/or heating element for domestic purposes.	12-01-91	27/00	49-B-E- -XV(1).	F.I.
167964 (11/Bom/89)	04-01-89	EAGLE FLASK INDUS- TRIES PRIVATE LIM- ITED.	An improved heating pad.	12-01-91	27/09	98-F, 48-A4.	I.C.
168188 (292/Bom/88)	17-10-88 post dated to 05-10-90	HAWKINS COOKERS LIMITED.	An improved pressure cooker having a bottom vessel with an oval shaped mouth and a correspondingly shaped lid adapted to be sealingly ac- commodated to the underside of the said oval mouth.	16-02-91	27/00, 27/04.	49-H-XV(1).	I.C.
168245 (418/Cal/88)	23-08-89	GUR CHARAN SAINI.	Improvements in cookware.	23-02-91	27/04, 27/08, 27/12.	49-H	I.I.
168288 (100/Bom/89)	19-04-89	EAGLE FLASK INDUS- TRIES PRIVATE LIM- ITED.	A device for heating casso- roles.	02-03-91	36/24, 39/02.	98-E-VII(2), 98-F-VII(2), 28-C-XXX(1).	I.C.
168289 (101/Bom/89)	19-04-89	EAGLE FLASK INDUS- TRIES PRIVATE LIM- ITED.	An improved casserole.	02-03-91	36/24, 39/02.	98-E-VII(2), 98-F-VII(2), 28-C-XXX(1).	I.C.

1	2	3	4	5	6	7	8
168297 (238/Del/87)	19-03-87	SOLLY KATZ.	Fluid dispenser.	09-03-91	31/00	195-E- XXIX(3).	F.I.
168330 (458/Cal/87)	05-01-89	LIPTON INDIA LIMITED.	Tea quality assessment machine.	16-03-91	31/00	185-C.	I.C.
168464 (702/Mas/86)	01-09-86	ALFA INSTITUT FÜR HAUSWIRTSCHAFTLICHE PRODUKT-UND VERFAHRENS-ENTWICKLUNG GNMHB.	A modified microwave cooking apparatus.	06-04-91	27/65	49-E- Group-XV(1).	F.C.
169612 (462/Cal/88)	06-06-88	LVOVSKOE TSENTRALNOE KONSTRUKTOR-SKO-TEKHOLOGICHESKOE BJURO KIEVSKOGO NAUCHNO-PROIZUODSTVENNOGO OBIEDINENIA "ELEKTRO-BYTPRIBOR".	"Coffcemill."	23-11-91	42/00	94-G.	F.C.
169622 (394/Mas/87)	27-05-87	DR. RER. NAT.	Steam pressure cooking pot.	23-11-91	27/08	99-A- Group-XL(4).	F.I.
169681 (641/Del/85)	06-08-85	GIUSEPEE BAGGIOLI.	Vessel for cooking food and the like.	07-12-91	27/02	49-E & 99-A.	F.I.

A 47 K : Sanitary equipment not otherwise provided for: Toilet accessories

168788 (319/Bom/88)	18-11-88	RAMCHANDRA CHANDIRAG KSHIR-SAGAR.	Toilet appliance.	08-06-91	11/10.	45E-II(1).	I.I.
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A 47 L : Domestic washing or cleaning; Suction Cleaners in general

169311 (693/Mas/86)	28-08-86	MORNINGFIELD LIMITED.	Cleaning vehicles for cleaning and sweeping.	28-09-91	5/00	26- Group-XLIII(1).	F.C.
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A 61 : MEDICAL OR VETERINARY SCIENCE: HYGIENE

A 61 B : Diagnosis: Surgery: Identification

167981 (150/Cal/87)	27-02-87	INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE (INRA). AND COMMISSARIAT AL'ENERGIE ATOMIQUE (CEA).	A process for the preparation of a molecular probe for DNA specific for the male genome of ruminants.	19-01-91	10/00	55-F	F.C.
168082 (892/Cal/86)	09-12-86	B.V. OPTISCHE INDUSTRIE DE OUDE DELFT.	An improved dosimeter for ionising radiation apparatus for slit radiography.	02-02-91	6/00	148-H	F.C.
168412 (142/Del/87)	18-02-87	JACK BAUMAN.	A fluid submersible laryngoscope.	30-03-91	1/26	128-G- XXI (2).	F.I.

1	2	3	4	5	6	7	8
168639 (271/Cal/88)	16-03-88	1. VIKTOR ALEXANDROVICH BUDYKO. 2. VLADIMIR VLADIMIROVICH KONOVLENKO. 3. ANDREI FEDOSEEVICH IVANCHENKO. 4. VALENTIN DMITRIEVICH KUTSOV. 5. BORIS NIKOLAEVICH LASTOCHKIN. 6. VLADIMIR MIKHAILOVICH KROKHMAL. 7. NIKOLAI NIKOLAEVICH ZHDAN.	Device for electroanalgesia of patients tissues.	11-05-91	6/00	128-C	F.I.
168747 (887/Mas/86)	17-11-86	SERGE BAJADA.	Apparatus for testing the sensory system in humans and animals.	01-06-91	5/00	128-G-Group-XIX(2).	F.I.
168875 (398/Del/17)	08-05-87	HAROLD JACK KOSASKY.	Ovulation testing apparatus.	29-06-91	10/00	128-G; 128-F.	F.I.
168919 (165/Cal/89)	27-02-89 ante dated to 05-05-86	ALFA-LAVEL FOOD & DAIRY ENGINEERING AB.	An apparatus for aseptic filling of a closable bag of flexible material.	13-07-91	19/00	13-A; 128-G.	F.C.
169028 (235/Cal/88)	21-04-88	ETHICON, INC.	Surgical hemostatic clips.	17-08-91	17/08.	128-G.	F.C.
169211 (99/Mas/17)	13-02-87	MINNESOTA MINING AND MANUFACTURING COMPANY.	A bone stapler.	14-09-91	17/08 17/10	128-K & G-Group-XIX(2).	F.C.
169327 (316/Mas/87)	01-05-87	DONN CASEY.	Surgical clip.	28-09-91	19/00	128-K-Group-XIX(2).	F.I.
169506 (936/Del/87)	27-10-87	BLAGOVESCHENSKY GOSUDARTVENNY MEDITSINSKY INSTITUT	Surgical suturing instrument.	26-10-91	17/04	128-K	F.C.
169519 (448/Cal/88)	01-06-88	ETHICON INC.	Surgical needles from high strength steel alloy and method of producing the same.	02-11-91	17/06	128-G	F.C.
169539 (567/Cal/88)	06-07-88	MICROMEDICAL INDUSTRIES PVT. LIMITED.	Portable monitor for combinedly monitoring and displaying pace-maker information and vital physiological sign information.		5/00	128-G	F.C.
169599 (456/Cal/88)	03-06-88	NAUCHNO-PROIZVODSTVENNOE OBIEDINENIE "MEDINSTRUMENT"	Gynecological aspiration tip for early stage abortion.	16-11-91	17/42	128-G	F.C.
169716 (920/Cal/88)	03-11-88	ETHICON INC.	Surgical fastening systems made from polymeric materials.	14-12-91	17/00	128-A	F.C.
169775 (782/Cal/88)	19-09-88	MOSKOVSKY GORODSKOI NAUCHNO-IS-SLEDOVATELSKY INSTITUT SKOROI POMOSCHI IMENI N. V. SKLIFOSOVSKOGO, USSR.	Device for establishing esophagoenterostomies.	21-12-91	17/11	128-K	F.C.

1	2	3	4	5	6	7	8
A 61 F : Prostheses; Orthopaedic or nursing appliances, Contraceptive devices; Fomentation; Treatment or protection of eyes or ears; Bandages							
168051 (262/Del/86)	20-03-86	PRESIDENT AND FELLOWS OF HARVED COLLEGE.	An improved method of making a catamenial tampon.	26-01-91	13/20.	128-A.	F.C.
168204 (15/Cal/88)	06-01-88	MATERIALS CONSULTANTSOY.	New surgical materials and devices.	16-02-91	5/00, 5/01, 5/02	128-B.	F.C.
168256 (451/Cal/88)	02-06-88	JOHNSON & JOHNSON PATIENT CARE, INC.	A multilayer absorbent adhesive dressing.	02-03-91	13/00	128-A	F.C.
168344 (424/Del/87)	14-05-87	ASTRA-TECH AB.	Heart assist device.	16-03-91	2/22	128-G-XIX(2)	F.C.
168576 (394/Cal/87)	18-05-87	CHICOPPE.	A method of preparing a nonwoven facing material having improved stain resistance.	04-05-91	13/16, 13/18	128-A	F.C.
169479 (317/Cal/89)	25-04-89	M.D. ENGINEERING, INC.	Female condom.	26-10-91	5/47	128-G	F.C.
169532 (492/Cal/88)	16-06-88	1. ALEXANDR SEMENOVICH BUKATOV. 2. NAUM ABRAMOVICH IOFIS. 3. JURY GRIGORIEVICH EGOROV. 4. NATALYA BORISOVNA DOVROVA. 5. ANATOLY STEPANOVICH. 6. ANDREI VASILIEVICH AGAFONOV.	Heart valve prosthesis.	09-11-91	2/00	128-B, G,HI.	F.I.
169554 (599/Cal/88)	18-07-88	ETHICON, INC.	A wound closure tape.	09-11-91	13/00, 13/02	128-A	F.C.
169653 (564/Cal/88)	06-07-88	PERSONAL PRODUCTS COMPANY.	Sanitary napkins	30-11-91	13/16	128-H	F.C.
169715 (813/Cal/88)	03-10-88	JOHNSON & JOHNSON.	A method of making mesoporous activated carbon layer on cellulosic fibrous material for use in a wound dressing.	14-12-91	13/00	128-A 55-E	F.C.
169720 (1046/Cal/88)	20-12-88	KURGANSKY NAUCHNOISLEDovATELSKY INSTITUT EXPERIMENTALNOI I KLINICHESKOI ORTOPEDII I TRAVMATOLOGII.	Distraction apparatus for plastic re-construction of hand.	14-12-91	5/00, 5/24.	128-B	F.C.
A 61 G : Transport or accommodation for patients; Operating tables or chairs; Chairs for dentistry; Burial devices.							
169792	05-06-87	POD LIMITED.	Vehicle body unit.	21-12-91	3/00	160-A-Group-LII(3).	F.C.
A 61 H : Physical therapy apparatus, e.g. devices for locating or stimulating reflex points in the body; Artificial respiration; Massage; Baths or washing devices for special purposes or specific parts of the body.							
169358 (442/Mas/87)	17-06-87	ARCHBALD IAN JEREMY BRAIN.	Artificial airways device for facilitating lung Ventilation in an unconscious patient.	28-09-91	31/00.	128-I-Group-XIX(2).	F.I.

1	2	3	4	5	6	7	8
A 61 K : Preparations for medical, dental, or toilet purposes.							
167948 (346/Cal/88)	29-04-88	SURGIKOS INC.	A method of preparing an odorless high level disinfecting and sterilizing composition.	12-01-91	45/00	55-D ₂	F.C.
167963 (284/Bom/88)	12-10-88	HINDUSTAN LEVER LIMITED.	An aqueous hair conditioning and dyeing composition.	12-01-91	7/13	189-Group-LXVI(9).	I.C.
168049 (1150/Del/86)	30-12-86	COLGATE-PALMOLIVE COMPANY.	Stabilized dental cream.	26-01-91	7/16	189-LXVI(9)	F.C.
168119 (837/Cal/87)	26-10-87	ASTA PHARMA AKTI-ENGESSELLSCHAFT.	A process for the preparation of ifosfamide lyophilisate.	09-02-91	39/00 45/00.	55-E ₄ .	F.C.
168149 (875/Mas/88)	08-12-88	FERRING B.V.	A device for delivering medicinals to animal or human bladders and urinary tracts.	09-02-91	9/00	55-E, Group-XIX(1).	F.C.
168181 (265/Bom/87)	16-11-88	HOECHST INDIA LIMITED.	A process for the preparation of novel polyoxygenated labdane derivatives.	16-2-91	27/00	32-I ₁ ,IX (1) + 55-E ₄ XIX.	I.C.
168184 (237/Bom/88)	19-08-88	HINDUSTAN LEVER LIMITED.	Process for the preparation of toothpastes.	16-02-91	7/16 7/18	189-LVI.	I.C.
168257 (721/Cal/88)	30-08-88	YEDA RESEARCH AND DEVELOPMENT COMPANY LIMITED.	A process for the production of a pharmaceutical composition for the treatment of amebiasis.	02-03-91	31/00, 31/33, 31/41, 31/47.	55-I-4	F.C.
168266 (151/Cal/88)	22-02-88	BHAIRAM CHANDRA BHATTACHARYA.	A process for producing a monoclonal antibody to a mono specific antigen found on RNA group virus.	02-03-91	39/00, 39/42	55-E ₄	I.C.
168267 (152/Cal/88)	22-02-88	BHAIRAB CHANDRA BHATTACHARYA.	Process for preparing the hybridoma for X-Y-sperm specific antibody.	02-03-91	39/00, 39/395.	55-E ₄ .	F.I.
168284 (293/Bom/88)	18-10-88	HINDUSTAN LEVER LIMITED.	A method for preparing an oral composition for inhibiting the formation of dental calculus.	02-03-91	7/16, 7/24.	189-LXVI(a).	I.C.
168295 (896/Del/86)	08-10-86	NELL GEDDES CLARKSON HENDRY.	A method of making a preparation for use in tissue growth regulation	09-03-91	31/00	55-E ₄ -XIX(1)	F.I.
168300 (1048/Del/87)	08-12-87	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	A process for separation of pure plantago ovata (Isapgol) mucilage from its whole seed and seed husk.	09-03-91	35/78	IC-XLIII(1), 32C-IX(1), 55-E ₄ XIX(1)	I.C.
168373 (214/Del/87)	11-03-87	ANIL KUMAR MADAN AND RAJIV SINDHI.	A process for solventless coating of drugs fertilizers insecticides fuels and foods.	23-03-91	9/78	55-F & 144-A.	I.I
168379 (704/Del/87)	13-08-87 ante dated to 31-05-85	COLGATE-PALMOLIVE COMPANY.	Method of forming a solution of a non-toxic water-soluble pharmaceutically acceptable compound derivative of peroxydiphosphoric acid.	23-03-91	33/42	55-E ₄	F.C.
168386 (893/Cal/87)	05-04-89	BAR-ILAN UNIVERSITY	A process for preparing a stable antioxidant material	23-03-91	7/00	55-E ₂	I.C.
168400 (1148/Del/87)	30-12-87	COLGATE-PALMOLIVE COMPANY.	Antibacterial antiplaque, anti-calculus oral composition.	23-03-91	7/16	189	F.C.

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168401 (266/Bom/87)	17-11-88	HOECHST INDIA LIMITED.	A process for the preparation of novel polyoxygenated labdane derivatives having pharmacological properties.	30-03-91	27/00	32F ₁ (IX)- (1), 55-E ₄ - -XIX(1).	I.C.
168407 (132/Bom/89)	18-05-89	HINDUSTAN LEVER LTD.	A method for the preparation of an oral composition for combating dental caries.	30-03-91	7/16, 7/18	55-E XIX(1), 189-2 LXVI(9)	I.C.
168414 (281/Del/87)	02-04-87	PFIZER LIMITED.	A process for preparing the besylate salt of amlodipine or its pharmaceutical product.	30-03-91	31/13, 31/19	32-C-IX(1).	F.C.
168460 (636/Del/87)	27-07-87	PFIZER LIMITED.	A process for producing an antibiotic or a pharmaceutically acceptable cationic salt thereof.	06-04-91	31/075	32-F ₃ (a) IX(1).	F.C.
168514 (184/Cal/88)	02-03-88	DERMASCIENTES, INC.	Method for preparing topical ointment composition for treatment of injured mammalian tissue.	20-04-91	31/00, 33/00	55-E ₂	F.C.
168590 (305/Mas/90)	23-04-90	GIRIVAS VISWANATH SHET.	A method of preparing ashwagandha ayurvedic milk chocolate.	04-05-91	35/00.	83-A.1 d 55-E ₄ - Group-XIV (5).	I.I.
168602 (224/Bom/88)	09-11-89	HOECHST INDIA LIMITED.	A method for the manufacture of an improved antimalarial composition.	04-05-91	31/00, 31/49, 31/335	55-E ₄ - XIX(1).	I.C.
168609 (134/Bom/89)	18-05-89	HINDUSTAN LEVER LIMITED.	A process for preparing a substantially fluorine free oral preparation having an anticaries activity.	04-05-91	7/16	189-LXVI(9).	I.C.
168629 (222/Cal/89)	17-03-89	BIOTEST PHARMA GMBH.	Process of preparing novel immunoglobulin.	11-05-91	39/00, 39/02	55-E ₄	F.C.
168710 (153/Del/87)	3-02-87	COLGATE-PALMOLIVE COMPANY	Solid antitartar mouth deodorant composition.	25-05-91	7/16	55-A.	F.C.
168728 (1154/Del/87)	10-02-89	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	An improved process for the production of coleonol from the roots of the plant coleus forskohlii (SYN C. BARBATUS).	25-05-91	35/78	55-E ₄ .	I.C.
168812 (340/Bom/88)	16-12-88	HINDUSTAN LEVER LIMITED.	A process for preparing a tooth paste having antimicrobial activity packaged within a closed container.	15-06-91	7/16, 7/24	189-LXVI(9).	I.C.
168842 (48/Bom/89)	28-02-89	HINDUSTAN LEVER LIMITED.	Method for preparing a toothpaste composition	22-06-91	7/16, 7/18	189-LVI(9).	
168848 (20/Bom/90)	24-01-90	HINDUSTAN LEVER LIMITED.	Method of making an anticaries tooth-paste.	22-06-91	7/18	189-LXVI(9).	I.C.
168850 (154/Bom/90)	13-06-90	LAXMAN SHANKAR-RAO NIKAM.	A process for the manufacture of an ointment acting as a haemostatic agent for stopping bleeding and for dressing wounds and ulcers.	22-06-91	9/06	55-E ₂ - XIX(1).	I.I.
168963 (756/Cal/87)	23-09-87	EMORY UNIVERSITY.	A method of producing an improved vaccine.	27-07-91	39/00.	55-E ₁ .	F.C.

1	2	3	4	5	6	7	8
169067 (960/Cal/88)	18-11-88	CHIRON CORPORA- TION.	Method for preparing a kit for analyzing a samples for the presence of polynucleo- tides derived from HCV, HCV antigen or HCV anti- body.	31-08-91	39/00, 39/29.	55-E ₄ .	F.C.
169071 (104/Cal/89)	01-02-89	INSTITUT MERIEUX.	Process for the large scale production of rabies vaccine.	31-08-91	39/00	55-E ₂ .	F.C.
169072 (105/Cal/89)	01-02-89	INSTITUT MERIEUX.	Process for the large scale production of a vaccine against poliomyelitis.	31-08-91	39/00	55-E ₁	F.C.
169075 (258/Cal/89)	05-04-89	WALTER WHITSON FISCHMAN.	A method of preparing a homoeopathic formulation for treating pathogenic condi- tions of human body.	31-08-91	35/00 45/00.		F.I.
169136 (624/Del/88)	21-07-88 ante dated to 12-05-86	SOCIETE DE CONSEI- LS DE RECHERCHFS ET D'APPLICATIONS SCIENTIFIQUES (S.C.R.A.S.)	Process for the preparation of new anti diarrheca compositions.	07-09-91	33/06, 33/12.	55-E ₄ .	F.C.
169275 (138/Del/88)	19-02-88 ante dated to 14-08-86	COLGATE-PALMOLIVE COMPANY.	A packaged dental cream.	21-09-91	6/10	189	F.C.
169286 (148/Mus/89)	23-02-89	BEECHAM GROUP PLC.	A process for preparing a hair-care composition.	21-09-91	7/06.	55-E ₂ Group-XIX(1).	F.C.
169330 (205/Mas/89)	16-03-89	1. THE UAB RESEARCH FOUNDATION. 2. SOUTHERN RE- SEARCH INSTITUTE.	Lated bioactive agent for potentiating immune response in an animal.	28-09-91	9/00	55-E ₄ Group-XIX(1).	F.C.
169426 (124/Bom/89)	11-05-89	HINDUSTAN LEVER LIMITED.	A non aqueous drug free cosmetic composition contain- ing ester of pyroglutamic acid.	12-10-91	7/06, 7/48	189-LXVI(9)	I.C
169444 (133/Bom/89)	18-05-89	HINDUSTAN LEVER LIMITED.	A process for preparing an oral composition for the treatment of sensitive teeth.	19-10-91	7/16	189-LXVI(9)	I.C
169450 (335/Bom/90)	14-12-90 ante date to 06-12-89	HOECHST INDIA LIMIT- ED.	A process for the prepara- tion of novel branched chain alkyl esters of 2-[4- (2-pepe- ridino-ethoxy)-Benzoyl] benzoic acid having spasmo- lytic properties and phar- maceutically acceptable salts thereof.	19-10-91	31/215, 31/235.	32-F2bIX(1), 55E4-XIX.	I.C.
169469 (310/Mus/89)	25-04-89	PRO-NEURON, INC.	A process for preparing a wound healing composition.	19-10-91	31/495	55-E ₂ Group-XIX(1).	F.C.
169494 (288/Cal/88)	07-04-88	LISAPHARMA S.P.A.	Process for preparing a pharmaceutical composition consisting essentially of a stable aqueous suspension of sucralfate free from suspend- ing agents.	26-10-91	31/72	55-E ₄	F.C.

1	2	3	4	5	6	7	8
169540 (155/Cal/89)	23-02-89 ante dated to 27-03-86	FIDIA S.P.A.	A process for preparing a pharmaceutical composition having enhanced activity comprising conventional acting substance and vehicle based on hyaluronic acid or salt thereof.	09-11-91	31/00, 35/00, 39/00.	55-E ₂ , -I-55-E ₄	F.C.
169811 (373/Del/88)	28-04-88	SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS SCIENTIFIQUES (S.C.R.A.S.)	A process for preparing an ophthalmological composition.	28-12-91	9/06.	55-F ₂ .	F.C.
<p style="text-align: center;">A 61 L Methods or apparatus for sterilising materials or objects in general, Disinfection, sterilisation, or deodorisation of air; Chemical aspects of bandages, dressings, or surgical articles; Materials for bandages, dressings or surgical articles.</p>							
168090 (628/Cal/87)	11-08-87	ANTONIO SOLA.	An apparatus for introducing a vaporised chemical agent into a compressed air supply system	02-02-91	9/06.	55-C; 173.	F.C.
168638 (188/Cal/88)	04-03-88	CASTLE COMPANY.	Improvements in a steriliser including a venting mechanism provided to vent steam.	11-05-91	2/00	83-B ₂	F.C.
168772 (770/Mas/86)	29-09-86	JOSEPH BURLEY.	A method of manufacturing an air freshener.	01-06-91	9/31.	55-A,-XIX(1), 189-LXVI.	F.I.
168896 (14/Cal/88)	06-01-88	SURGIKOS INC.	A process for plasma sterilisation using hydrogen peroxide.	06-07-91	25/00, 31/00.	55-3,2	F.C.
169480 (817/Del/85)	07-10-85	TEROSON GMBH.	Composition for killing or inhibiting the growth of microorganisms.	26-10-91	2/16.		F.C.
<p style="text-align: center;">A 61 M : Devices for introducing media into or onto the body; Devices for transducing body media or for taking media from the body.</p>							
168004 (455/Cal/87)	11-06-87	BLAGOVESHCHENSKY GOSUDARSTVENNY MEDITSINSKY INSTITUT.	Device for cleansing the colon.	19-01-91	5/00, 9/00.	128-F;H.	F.C.
168166 (156/Del/87)	24-02-87	AKTIEBOLAGET DRACO.	A powder inhalator.	16-02-91	15/00.	128-F,I, XIX(2).	F.C.
168524 (449/Cal/88)	02-06-88	NAUCHNO-PROIZVODSTVENNOE OBIEDINENIE "MED INSTRUMENT."	Aspirate receiver.	20-04-91	1/00.	128-F.	F.C.
168809 (302/Cal/88)	12-04-88	PHILIPPE PEROVITCH.	Device for recovering and reinjecting blood.	08-06-91	1/02.	128-G.	F.I.
169300 (126/Mas/89)	15-02-89	PALL CORPORATION	A filter device for the depletion of the leukocyte content of a platelet concentrate derived from blood.	21-09-91	1/34.	128-G- Group-XIX (2).	F.C.
169358 (442/Mas/87)	17-06-87	ARCHIBALD IAN JEREMY BRAIN.	Artificial airways device for facilitating lung ventilation in an unconscious patient	28-09-91	16/00.	128-I- Group-XIX (2).	F.I.

1	2	3	4	5	6	7	8
169618 (511/Cal/88)	22-06-88	AGVEN MEDIAL COR- PORATION LIMITED.	Syringe.	23-11-91	3/00, 5/00, 7/00.	128-F.	F.C.
169620 (519/Cal/88)	27-06-88	NOVA MEDICAL PTY LIMITED.	Slow injection device.	23-11-91	5/20.	128-F.	F.C.

A 62 : LIFE-SAVING; FIRE-FIGHTING**A 62 B : Devices, apparatus, or methods for life saving.**

168058 (200/Del/87)	06-03-87	THE BABCOCK & WIL- COX COMPANY.	Detector for measuring the free oxygen content in a combustible or hazardous atmosphere.	26-01-91	21/00.	40-I-IV(1).	F.C.
168685 (886/Mas/86)	14-11-86	NORMALAIR-GARRETT (HOLDINGS) LTD.	A molecular sieve bed con- tainer for gas separation.	18-05-91	5/00.	128-I- Group-XIX(2).	F.C.

A 63 : SPORTS, GAMES; AMUSEMENTS.**A 63 B : Apparatus for physical training, gymnastics, swimming, climbing, or
fencing; Ball games, Training equipment.**

168143 (418/Mas/87)	05-06-87	ALL WEATHER SPORTS INTERNATIO- NAL B.V.	A leg guard for use in games	09-02-91	71/08.	87-E- Group-XLII(4).	F.C.
168662 (835/Mas/86)	27-10-86	SREENIVAL RAO KOLAPALLI.	New apparatus for measur- ing distances in throws in athletics.	18-05-91	71/06.	87-E- Group-XL.VII(4).	I.I.
168683 (836/Mas/86)	27-10-86	SREENIVAS RAO KOLAPALLI.	A retrievable structure for performing discus, hammer, and shot-put throws.	18-05-91	65/00.	87-E- Group-XLII(4).	I.I.

**A 63 G : Merry-go-rounds; Swings; Rocking-horses; chutes, Switchbacks;
Similar devices for public amusement.**

168846 (175/Bom/89)	26-06-89	SURENDRA SHANTA- RAMSANE.	Improvements in or relating to a toy the bouncing horse.	22-06-91	19/00.	87 I & E XLII(4); 96-XXIV(2).	I.I.
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A 63 H : Toys, e.g. tops, dolls, hoops, building blocks.

167958 (590/Del/87)	14-07-87	INTERLEGO AG.	Toy cog railway.	12-01-91	19/00, 21/00.	87-E.	F.C.
168303 (14/Del/87)	06-01-87	INTERLEGO AG.	Building block for a toy construction set.	09-03-91	1/18, 33/26	87-I-XLII(4).	F.C.
169655 (573/Cal/88)	07-07-88	FANTASY TOPS INC.	Toybuilding blocks with multiple pivoting inter- connections.	30-11-91	33/04.	87-I.	F.C.
169822 (91/Bom/91)	10-04-89	VANESH GOKALL AND HEMRAJ GOKALL.	A toy.	28-12-91	33/08.	87-I-XLII(4).	F.I.

SECTION-B: PERFORMING OPERATIONS; TRANSPORTING.**B 01 : PHYSICAL OR CHEMICAL PROCESSES OR APPARATUS
IN GENERAL.****B 01 D : Separation.**

167912 (922/Del/85)	04-11-85	GUY GAUDFRIN.	An improved conveyor belt filter having a friction reduc- ing buffer means.	05-01-91	29/02.	116C, 80-K.	F.I. F.II.
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1	2	3	4	5	6	7	8
168247 (674/Cal/88)	08-08-88	VSESOJUZY NAUCH- NOISLEDOVATELSKY INSTITUT ZOLOTA I REDKIKH METALLOV.	Concentrator for beneficiat- ing minerals.	23-02-91	23/16.	141-A.	F.C.
168419 (1058/Del/87)	10-12-87	UOP INC.	A process for the preparation of the isomers of nitrobenzal- dehyde from a feed mixture containing at least two iso- mers of nitrobenzaldehyde.	30-03-91	15/04.	40-E-IX(1).	F.C.
168473 (657/Mas/86)	13-08-86	LINDE AKTIENGESEL- LSCHAFT.	An improved pressure swing adsorption process.	13-04-91	53/02.	40-H- Group-IV(1).	F.C.
168608 (68/Bom/89)	06-12-89	FOUR EYES RESEARCH PRIVATE LIMITED.	An improved process for anaerobic digestion of effluent/spent wash from alcohol distilleries and a plant for carrying out the said process.	04-05-91	31/00.	80-K, I- Gr. VI 201D Gr. II(4).	F.C.
168617 (279/Del/87)	02-04-87	W.R. GRACE & CO- CONN.	Process for the removal of trace contaminants from glyceride oils.	01-05-91	15/04.	77-D.	F.C.
168658 (416/Cal/88)	25-05-88	BIREN DAS GUPTA.	Tubewell strainer or filter.	18-05-91	35/28.	80-J.	I.I.
168663 (974/Mas/86)	15-12-86	GEA ENERGIESYSTEM- TECHNIK GMBH & CO.	Apparatus for the separating of solid impurity particles from cooling water for power stations and the like.	18-05-91	29/00.	80-K, 167-C- Groups-VI; XXXIV(4).	F.C.
168685 (886/Mas/86)	14-11-86	NORMALAIR-GARRETT (HOLDINGS) LTD.	A molecular sieve bed con- tainer for gas separation.	18-05-91	53/04.	128-I- Group-XXIX(2).	F.C.
168687 (973/Mas/86)	15-12-86	ALUMINIUM PECHI- NEY.	Improved process for the purification of metals in particular aluminium.	18-05-91	9/00.	130-C- Group- XXXII(7).	F.C.
168707 (68/Del/87)	29-01-87	THE WATER RESEARCH COMMISSION.	Process and tubular filter press apparatus for dewater- ing a slurry to form an easily removable cake from the solids content of said slurry.	25-05-91	43/00.	80-C.	F.C.
168749 (30/Mas/87)	19-01-87	SHELL INTFRNATIO- NALE RESEARCH MATSCHAPPIJ B.V.	An apparatus for contacting gas and liquid.	01-06-91	3/00, 53/14.	88-F- Group- XXXII(3).	F.C.
168820 (142/Bom/89)	31-05-89	THYSEN INDUSTRIES AG.	A process for the simulta- neous dry separation of damaging substances from flue gases and a plant for carrying out the same.	15-06-91	29/00.	103-C3- XXXIII(5), 167D, C- XXXIV(4).	F.C.
168845 (159/Bom/89)	12-06-89	ANAND GOVIND BHOLE.	Static flocculator.	22-06-91	21/08.	132-C- XXXIV(3).	I.I.
168855 (954/Mas/86)	09-12-86	LINDE AKTIENGESE- LLSCHAFT.	A novel pressure swing ad- sorption process and an apparatus for conducting the same.	29-06-91	53/02.	40-H- Group-IV(1).	F.C.
168911 (40/Cal/88)	18-01-88	STEVEN ALEXANDER MCALISTER.	A concentrator for separa- ting particulate material of higher specific gravity.	13-07-91	21/26.	37-A, 141-D.	F.I.
168923 (200/Cal/88)	07-03-88	MCTIGHE INDUSTRIES INC.	Oil-water separator.	13-07-91	17/02.	80-E.	F.C.

1	2	3	4	5	6	7	8
169122 (768/Del/87)	31-10-88	DEWAN KRAFT SYSTEM PVT. LTD.	A double belt filter for de-watering the sludge material.	07-09-91	33/02.	80-K.	I.C.
169152 (13/Mas/87)	09-01-87	HENRY C. LASATER.	A water purification system for degassing and distilling impure water containing dissolved gases and solid impurities.	07-09-91	19/00.	201-D-Group-II(4).	F.I
169167 (83/Mas/87)	06-02-87	FLAKT AKTIEBOI AG.	Apparatus for obtaining hot gas flow free of contaminants.	07-09-91	5/00	6-B ₃ -Group-XLVIII(1).	F.C.
169182 (133/Mas/87)	26-02-87	RWE-DEA AKTIENGESSELLSCHAFT FÜR MINERALÖL UND CHEMIE.	An improved process for distillative purification of organic compounds selected from methyl tert-butyl ethers, sec-butyl alcohol and methyl ethyl ketone.	14-09-91	3/34	56-A-Group-V.	F.C.
169189 (1082/Del/87)	14-03-89	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A process for the preparation of high flux membrane from the blend formulations of cellulose acetate and cellulose triacetate useful for desalination of brackish water by reverse osmosis process.	14-09-91	13/04.	40-F.	I.C.
169247 (161/Bom/89)	14-06-89	ANAND GOVIND BHOLE.	Improved tube settler module for a water treatment plant.	14-09-91	21/24.	80-H 201-D.	I.I.
169263 (335/Del/86)	14-04-86	COMPAGNIE GENERALE D'ELECTRICITE.	Device for filtering a suspension of particles in a liquid.	21-09-91	43/00.	80-F.	F.C.
169342 (196/Mas/87)	18-03-87	IMPERIAL SMELTING PROCESSES LIMITED.	An apparatus for cleaning and cooling exhaust gases from a pyro-metallurgical process.	28-09-91	53/34.	40-F-Group-IV(1).	F.C.
169384 (89/Cal/88)	02-02-88	HYDRANAUTICS.	An improved oxidatively resistant membrane, process for making same and method of desalinating a saline water therewith.	05-10-91	13/00, 13/04.	40-F, 201-C.	F.C.
169409 (306/Mas/87)	28-04-87	STAMICARBON B.V.	An improved method for the removal of cadmium from acid phosphate-containing aqueous medium.	12-10-91	11/00.	40-F-Group-IV(1).	F.C.
169454 (64/Cal/88)	28-01-88	OY SANTASALO-SOHLBERG AB.	Distilling apparatus.	19-10-91	3/00.	56-A.	F.C.
169471 (595/Cal/87)	31-07-87	METALLGESELLSCHAFT AKTIENGESSELLSCHAFT.	A spray absorber for a vertical flow of gas for purifying exhaust gases.	26-10-91	15/00.	88-D&F.	F.C.
169472 (640/Cal/87)	14-08-87	METALLGESELLSCHAFT AKTIENGESSELLSCHAFT.	Process of treating two laden absorbent solution streams.	26-10-91	47/00, 53/00.	40-E, 88-F.	F.C.
169524 (257/Mas/87)	07-04-87	THE DOW CHEMICAL COMPANY.	A process of separating oxygen from a gas mixture containing oxygen and nitrogen.	02-11-91	13/04.	40-H-Group-IV(1).	F.C.
169525 (258/Mas/87)	07-04-87	THE DOW CHEMICAL COMPANY.	A process for separating oxygen from a mixture of gases containing oxygen and nitrogen.	02-11-91	13/04.	40-H-Group-IV(1).	F.C.

1	2	3	4	5	6	7	8
169550 (1132/Del/87)	27-03-89	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A process for the preparation of high flux-high separation thin film composite reverse osmosis membranes for desalination of highly saline waters.	09-11-91	13/04.	201-D.	I.C.
169707 (473/Mas/87)	01-07-87	SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B.V.	Process for producing a gas mixture free of H ₂ S and CO ₂ from a sour gas mixture containing H ₂ S and CO ₂ .	14-12-91	53/00.		F.C.
169744 (719/Del/86)	08-08-86	PETERSON FILTERS CORPORATION.	Method and apparatus for continuously flocculating a slurry of mineral particles.	14-12-91	13/00.	80-GVI.	F.C.
169748 (1136/Del/87)	28-12-87	UKRAINSKY INSTITUT INZHENEROV VODNO-GO KHOZYAISTVA.	Magnetic gravity filter for magnetic separation of substances.	14-12-91	35/06	80-K-	F.C.
B 01 : Mixing: e.g. dissolving, emulsifying, dispersing.							
168606 (50/Bom/89)	28-02-89	ANAND NARAYAN NAMJOSHI; CHIMAN- LAL GOVINDBHAI PATEL; MANUBHAI BHAILALBHAI PATEL AND SHANKAR GANESH KARANDIKAR.	An improved blending machine.	04-05-91	3/00, 5/00.	132+D— XXXIV(3).	I.I.
168749 (30/Mas/87)	19-01-87	SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B.V.	An apparatus for contacting gas and liquid.	01-06-91	3/04.	88-F- Group-XXXVII(3).	F.C.
168845 (159/Bom/89)	12-06-89	ANAND GOVIND BHOLE.	Static flocculator.	22-06-91	5/24.	132-C- XXXIV(3).	I.I.
169218 (215/Mas/87)	25-03-87	SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B.V.	Apparatus for mixing fluids.	14-09-91	5/00.	132-D- Group-XXXIV (3).	F.C.
169377 (347/Del/87)	21-04-87	FARREL LIMITED.	An internal mixture for mixing a composition.	05-10-91	7/10.	132-C.	F.C.
169397 (288/Mas/87)	20-04-87	FLUID TECHNOLOGY (AUST) LIMITED.	Fluid injection system.	12-10-91	5/00.	106 & 173B, Groups-XLVII (2) & Groups XXIX(2).	F.C.
169404 (171/Mas/87)	11-03-87	COMPAGNIE DES SERVICES DOWELL SCHLUMBERGER.	A device for mixing a fluid with solid particles.	12-10-91	7/00.	132-B2 & C- Group-XXXIV(3).	F.C.
169445 (256/Bom/89)	18-09-89	ANAND GOVIND BHOLE.	Static flocculator.	19-10-91	5/24.	132-C- XXXIV.	I.I.
169489 (340/Mas/87)	11-05-87	CABOT CORPORATION.	An apparatus for mixing and agitating of various types of carbon black.	26-10-91	7/00.	132-B2 & 139-A- Groups-XXXIV (3) & IV(2).	F.C.
169821 45/Bom/85)	10-09-85 ante dated to 25-03-83	HINDUSTAN LEVER LTD.	Novel device for use in modifying the phase characteristics of soap feed stock.	28-12-91	7/26, 9/18.	132—B2 + 170D.	I.C.

1	2	3	4	5	6	7	8
B 01 J : Chemical or physical processes, e.g. catalysis, colloid chemistry; Their relevant apparatus.							
167935 (912/Del/86)	15-10-86	UOP INC.	Hydrocarbon conversion.	12-01-91	9/00, 11/00.	40-BIV(1).	F.C.
167974 (823/Del/86)	18-09-86	UOP INC.	Hydrocarbon conversion process.	19-01-91	21/00.	32-B & 40-B.	F.C.
168009 (847/Cal/87)	02-11-87	ALFA LAVEI SEPARATION AB.	Apparatus for reducing the pressure in a liquid mixture of hydrocarbon compounds.	19-01-91	3/00.	40-F.	F.C.
168055 (1034/Del/86)	26-11-86	UOP INC.	A catalyst composition for the dehydrocyclodimerization of aliphatic hydrocarbons and method of manufacturing said catalyst composition.	26-01-91	29/06.	40-B IV(1).	F.C.
168062 (339/Del/86)	15-04-86	IMPERIAL CHEMICAL INDUSTRIES PLC.	Process for the production of ammonia synthesis catalyst precursors.	26-01-91	21/00, 23/00.	39-C & 40-B.	F.C.
168199 (60/Del/88)	25-01-88 ante dated to 23-04-85	SCIENTIFIC DESIGN COMPANY INC.	A process for preparing a supported silver catalyst suitable for the oxidation of ethylene to ethylene oxide.	16-02-91	23/50.	40-B.	F.C.
168323 (366/Cal/87)	05-05-87	1. MARK EFREMOVICH IVANOV. 2. ANATOLY SHNEEROVICH BERKOVICH. 3. ANDREI BORISOVICH IVANOV. 4. VIKTOR MARKOVICH OLEVSKY. 5. MAXIM LEIBOVICH FERD. 6. JURY DMITRIEVICH BARBASHOV. 7. VALENTIN IVANOVICH ZVEREV. 8. KAPITOLINA MIKHAILOVNAZAKHAROVA. 9. VICTOR MIKHAILOVICH LINDIN. 10. BORIS IOSIFOVICH MALKIN. 11. ANATOLY PETROVICH PONOMAREV.	Process for obtaining prilled mineral fertilizers and prilled mineral fertilizers thereby produced.	16-03-91	2/02.	123.	F.I.
168369 (740/Mas/88)	25-10-88 ante dated to 30-07-85	THE DOW CHEMICAL COMPANY.	An improved process for preparing an insoluble strong-acid cation-exchange resin in acid form.	23-03-91	39/08.	70-C(5) Group-LVIII(5).	F.C.
168393 (162/Del/87)	24-02-87	SHELL OIL COMPANY.	A process for preparing a solid.	23-03-91	21/10, 27/06, 27/135.	40-B IV(1).	F.C.
168399 (990/Del/87)	10-02-89	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A process for the preparation of a high silica zeolite of pentasil family from paddy husk ash.	23-03-91	29/04.	40-B.	I.C.
168454 (965/Del/86)	31-10-86	IMPERIAL CHEMICAL INDUSTRIES PLC.	A self supporting structure for use as a catalyst support disposed within a containing vessel.	06-04-91	32/00.	40-B & 40-F.	F.C.
168521 (651/Cal/86)	28-08-86	CATALYTICA ASSOCIATES.	Improved catalyst system for olefin oxidation.	20-04-91	21/00, 23/00.	39-E, 40-B.	F.C.

1	2	3	4	5	6	7	8
168566 (159/Cal/89)	24-02-89 ante dated to 25-11-85	EDWARD KOPPELMAN.	A process for obtaining moisture free organic carbonaceous material from moist material.	27-04-91	8/00.	40-F.	F.I.
168607 (63/Bom/89)	13-03-89	INDIAN PETROCHEMICALS CORPORATION LIMITED.	Method for the conversion of nitriles to amides employing improved active copper catalysts.	04-05-91	23/72.	40-B-IV(1).	I.C.
168614 (154/Del/87)	23-02-87	ASHLAND OIL INC.	A method for the manufacture of a catalyst for using reaction of a hydroxyl compound with an isocyanate compound.	04-05-91	23/00.	40-B-IV(1).	F.C.
168628 (47/Cal/88)	20-01-88	NAUCHNO-ISSLEDOVATELSKY TSENTR PO TEKHNOLIGICHESKIM LAZERAM AKADEMII NAUK SSSR.	Medium for gas laser excited by ionizing particles.	11-05-91	12/00.	40-F.	F.C.
168637 (186/Cal/88)	02-03-88	SUSHIM KUMAR DEV.	An improved method for the preparation of porous stabilized rice bran extrudate and an apparatus therefor.	11-05-91	19/00.	40-F.	I.I.
168646 (826/Mas/86)	20-10-86	CHARBONNAGES DE FRANCE (ETABLISSEMENT PUBLIC).	Device for unclogging the fluidization gas supply tubes in a grid carrying a bed of particles to be fluidized.	11-05-91	8/18.	40-F-Group-IV(1).	F.C.
168829 (274/Cal/88)	04-04-88	WESTINGHOUSE ELECTRIC CORPORATION.	Apparatus for detecting sources of halogen in a steam generating system.	15-06-91	19/00.	40-F.	F.C.
168852 (854/Mas/86)	31-10-86	THE DOW CHEMICAL COMPANY.	A process for preparing a catalyst consisting silver deposited on an inert carrier material.	29-06-91	23/50.	40-B-Group-IV(1).	F.C.
168853 (855/Mas/86)	31-10-86	THE DOW CHEMICAL COMPANY.	A process for preparing a catalyst.	29-06-91	23/00.	40-B-Group-IV(1).	F.C.
168854 (856/Mas/86)	31-10-86	THE DOW CHEMICAL COMPANY.	An improved process for preparing a silver catalyst.	29-06-91	23/50.	40-B-Group-IV(1).	F.C.
168935 (33/Cal/88)	14-01-88	PENNWALT CORPORATION.	Presulfiding agents for preparing hydrotreating catalyst.	20-07-91	27/04, 27/043, 27/047, 27/051.	40-B.	F.C.
168953 (665/Cal/87)	24-08-87	TOYO ENGINEERING CORPORATION.	Catalytic reactor.	27-07-91	19/00, 19/18.	40-F.	F.C.
168988 (753/Cal/87)	22-09-87	ENGELHARD CORPORATION.	Process for preparing a catalyst composition.	03-08-91	8/00, 25/00, 29/00.	39-C, 40-B.	F.C.
169029 (235/Cal/88)	21-03-88	PROJECTS & DEVELOPMENT INDIA LIMITED.	A process for preparation of iron oxide chromium oxide catalyst suitable for production of hydrogen by carbon monoxide conversion (H T. SHIFT CATALYST).	17-08-91	23/76.	40-B.	I.C.

1	2	3	4	5	6	7	8
169045 (102/Cal/88)	05-02-88	KAUNASSKY POLITEKHNICHESKY INSTITUT IMENI ANTANASA SNECHKUSA.	Device for measuring rate of oxygen consumption by microorganisms in liquid media.	24-08-91	19/00.	40-F.	F.C
169180 (56/Mas/87)	29-01-87	HENKEL CORPORATION.	Apparatus for carrying out mixing or chemical reactions in the liquid state.	14-09-91	8/00.	40-F-Group-IV(1).	F.C.
169191 (1093/Del/85)	18-03-87	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A process for the preparation of clay loaded metal complexes catalyst useful for the hydrogenation of oils and other unsaturated compounds.	14-09-91	23/42, 37/04.	40-B.	I.C.
169202 (61/Mas/87)	30-01-87	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	Apparatus for contacting gas, liquid and solid particles.	14-09-91	8/08.	40-F-Group-IV(1).	F.C
169244 (248/Bom/88)	30-08-88	INDIAN PETROCHEMICALS CORPORATION LIMITED.	A process for the production of P-xylene and O-xylene by the catalytic isomerisation of alkyl aromatic hydrocarbons.	14-09-91	21/16, 23/40.	32-B-IX(1).	I.C.
169245 (350/Bom/88)	29-12-88	HINDUSTAN LEVER LIMITED.	Process for preparing a nickel/silica catalyst.	14-09-91	23/70, 23/78, 32/00	40-B-IV(1).	I.C.
169259 (1096/Del/86)	15-12-86	UOP INC.	Method and apparatus for regeneration of hydrocarbon conversion catalyst.	21-09-91	38/12, 38/22	40-B.	F.C.
169284 (1022/Mas/86)	30-12-86	A. AHLSTROM CORPORATION.	A circulating fluidized bed reactor.	21-09-91	8/24.	40-A ₂ Group-IV(1).	F.C.
169344 (214/Mas/87)	25-03-87	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	An apparatus for contacting particulate solids with a fluid.	28-09-91	8/18.	40-A ₂ Group-IV(1).	F.C.
169394 (272/Mas/87)	13-04-87	VEG-GASINSTITUT N.V. AND COMPRIMO B.V.	An improved process for preparing a catalyst for the selective oxidation of hydrogen suitable to elemental sulfur.	12-10-91	23/00.	40-B, 139-G. Group-IV(1) & IV(2).	F.C
169405 (176/Mas/87)	12-03-87	AMMONIA CASALE S.A.	A catalytic bed reactor for heterogeneous reaction of synthesis gases.	12-10-91	8/04.	40-F-Group-IV(1).	F.C.
169408 (305/Mas/87)	28-04-87	A. AHLSTROM CORPORATION.	Fluidized bed reactor.	12-10-91	8/24.	40-A ₂ Group-IV(1).	F.C.
169418 (221/Mas/89)	21-03-89 ante dated to 25-07-85	ESTABLISSEMENT GERSAN.	A primary feeder for feeding discrete objects.	12-10-91	8/10.	153 & 178-Groups -XLIII(3) & XXV(3)	F.C.
169449 (230/Bom/90)	30-08-90	HINDUSTAN ORGANIC CHEMICALS LTD.	A novel process for complete gasification of residual carbonaceous materials from the partially oxidised copper chronite catalyst surface.	19-10-91	11/04.	40-B-IV(1).	I.C.
169462 (151/Mas/87)	04-03-87	A. AHLSTROM CORPORATION.	Circulating fluidized bed reactor.	19-10-91	8/24.	40-F-Group-IV(1).	F.C.

1	2	3	4	5	6	7	8
169568 (434/Mas/87)	11-06-87	BEROL KEMI AB.	A process for preparing a ruthenium promoted halogen containing nickel and/or cobalt catalyst for amination reaction.	09-11-91	27/06, 23/46.	40-B- Group-IV(1).	F.C.
169589 (919/Del/87)	20-10-87	SHELLINTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	Improved catalyst composition for use in the production of ethylene oxide.	16-11-91	23/66, 23/68.	40-B.	F.C.
169595 (429/Cal/88)	26-05-88	ALUMINIUM PECHINNEY.	Method for treating waste material in the form of worn linings of hall-heroult electrolysis tanks.	16-11-91	19/00.	39-A.	F.C.
169714 803/Cal/88)	26-09-88	COLUMBIAN CHEMICALS COMPANY.	Non-cylindrical reactor for carbon black production.	14-12-91	19/00.	139-A.	F.C.
169726 (426/Mas/87)	09-06-87	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	An apparatus for continuous catalytic cracking of hydrocarbon feed.	14-12-91	8/08.	56-B- Group-V.	F.C.
169732 (260/Cal/88)	29-03-88	VISTA CHEMICAL COMPANY.	Process for preparing an alkoxylation catalyst.	14-12-91	31/14.	40-B.	F.C.
169738 (333/Cal/88)	25-04-88	MICHIGAN CONSOLIDATED GAS COMPANY.	An apparatus for sorptively storing a multiconstituent gas.	14-12-91	19/00.	40-F.	F.C.
169790 (471/Mas/87)	30-06-87	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	A catalyst composition capable of being used for the preparation of hydrocarbons from synthesis gas.	21-12-91	23/00.	40-B- Group-IV(1).	F.C.
169794 (404/Mas/87)	02-06-87	THE GRAVER COMPANY.	A process for electrodialysis of a salt solution.	21-12-91	13/02.	70-C ₃ - Group-LVIII (5).	F.C.
169798 (392/Mas/87)	27-05-87	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	A catalyst composition for hydrocarbon conversion.	21-12-91	29/04.	40-B- Group-IV(1).	F.C.
169813 (16/Del/89)	09-01-89 ante dated to 03-06-86	IMPERIAL CHEMICAL INDUSTRIES PLC.	Apparatus for producing a secondary reformed hydrocarbon gas stream.	28-12-91	21/04.	40-B.	F.C.
169815 (17/Del/89)	09-01-89 ante dated to 03-06-86	IMPERIAL CHEMICAL INDUSTRIES PLC.	A process for the production of a secondary reformed hydrocarbon gas stream containing hydrogen steam.	28-12-91	21/04.	40-B.	F.C.
B 01 L : Chemical or physical laboratory apparatus for general use.							
168309 (459/Del/87)	01-06-87	BHUVAN CHANDRA RATHOR.	Auto-stop fine micro-burette.	09-03-91	3/02.	125-B3.	I.I.
B 02 : CRUSHING, HPULVERISING, OR DISINTEGRATING, PREPARATORY TREATMENT OF GRAIN FOR MILLING-							
B 02 B : Preparing grain for milling, Refining, granular fruit to commercial products by working the surface							
168280 (558/Cal/87)	21-07-87	YAMAMOTO & CO. LTD.	Impact rice Hubbler.	02-03-91	3/00.	92-C.	F.C.
168372 (157/Del/87)	24-02-87	FELIPE SALETE.	Process for obtaining high purity mucilage from plantago psyllium seeds.	23-03-91	3/00.	55-E.4, 32-C.	F.I.

1	2	3	4	5	6	7	8
168434 (777/Mas/86)	01-10-86	F.L. SMIDTH & CO. A/S.	Vertical roller mill.	06-04-91	4/02.	94—GROUP -XXXIV (2).	F. C.
169555 (601/Cal/88)	19-07-88	SMT. BHARATI CHAW- DHURI AND SRI BAN- SARI MOHAN CHAW- DHURI.	Composite mini rice mill.	09-11-91	3/00.	92-C.	I.I.
B 02 C : Crushing, pulverising, or disintegrating in general : Milling grain.							
167982 (189/Cal/87)	09-06-88	STEELSWORTH PVT. LTD.	Improvements in or relating to C. T. C. machines.	19-01-91	4/20, 4/32.	185-D ₁ .	I.C
168006 (533/Cal/87)	10-07-87	BARBIERI ELDA.	Mobile self-propelled crush- ing machine.	19-01-91	23/00, 23/02.	71-B, G.	F.I.
168047 (961/Del/86)	30-10-86	KLOCKNER-HUMBOL- DTDEUTZ AKTIENGE- SELLSCHAFT.	Apparatus for the comminution and grinding of damp brittle grinding stock.	26-01-91	4/00.	94-G H.	F.C.
168121 (667/Mas/86)	19-08-86	REIMBOLD & STRICK GMBH & CO.	Annular gap-type ball mill.	09-02-91	15/00.	94-A-GROUP XXXIV (2).	F.C.
168372 (157/Del/87)	24-02-87	FELIPE SALETE.	Process for obtaining high purity mucilage from plan- tage psyllium seeds.	23-03-91	13/00.	55-E, 4, 32-C.	F.I.
168391 (86/Del/87)	03-02-87	BELGORDSKY TEKH- NOLOGICHESKY INS- TITUT STROITEL'NYKH MATERIALOV IMENT I.A. GRISHMANOVA.	Ball tube mill for use in com- minuting hard materials.	23-03-91	15/08.	35-B.	F.C.
168654 (335/Cal/88)	26-04-88	DRAISWERKE GMBH	Agitator mill.	18-05-91	13/00.	94-G.	F.C.
168689 (758/Mas/87)	20-10-87	INSTITUTE PO TCHE- RNA MEALURGIA	Vibrating jaw crusher.	18-05-91	1/02.	94-G-GROUP -XXXIV (2)	F.C.
168806 (74/Cal/88)	28-01-88	IRVING CHUNG-CHI CHEN.	Mill roll for grinding and extracting juicy material.	08-06-91	4/28.	94-H, I.	F.I.
168862 (547/Cal/87)	15-07-87	VSESOJUZNY NAUCHN- OI ISSLEDOVATELSKY I PROEKTNY INSTITUT MEKHANIC HESKOI OBRABOTKI POLEZNY- KH ISKOPAEMYKH.	Cone crusher.	29-06-91	2/00.	94-E.	F.C.
168949 (882/Cal/87)	10-11-87	COMBUSTION ENGINE- ERING INC.	Pulverizer auxiliary lubrica- tion device.	20-07-91	23/00.	120-C ₄ .	F.C.
169048 (136/Cal/88)	15-02-88	COMBUSTION ENGINE- ERING INC.	Coal pulverizer inerting and fire extinguishing system in a bowl mill for pulverising coal.	24-08-91	4/00, 23/00.	94-F.	F.C
169474 (991/Cal/87)	21-12-87	TIDCO GROUP LIM- ITED.	Improved jaw crusher.	26-10-91	1/02.	94-G.	F.C.
169542 (231/Del/87)	18-03-87	KUBOTA LTD.	A vertical grinding mill for pulvarising the material to fine particles.	09-11-91	15/08.	94-F.	F.C.
169769 (1081/Del/86)	09-12-86	STEIN INDUSTIE.	A horizontal cylindrical rota- ry pulverizer for preparing pulverised material of two different degrees of fineness.	21-12-91	17/061 18/14.	94-AM.	F.C.

1	2	3	4	5	6	7	8
B 03 : SEPARATION OF SOLID MATERIALS USING LIQUIDS OR USING PNEUMATIC TABLES OR JIGS, MAGNETIC OR ELECTROSTATIC SEPARATION-							
B 03 B : Separating solid materials using liquids or using pneumatic tables or jigs-							
168247 (674/Cal/88)	08-08-88	VSESOJUZNY NAUC— NO-ISSLEDOVATELSKY INSTITUT ZOLOTA I REDKIKH METALLOV.	Concentrator for beneficiating minerals.	23-02-91	5/58.	141-A.	F.C.
168958 (466/Cal/88)	07-06-88	INSTITUT KHIHII I IBKHNOLOGII REDKI- KH ELEMENTOV I MINERALNOGO SYRYA KOLSKOGO FILLIALA AKADEMII NAUK SSSR.	Mixer-settler for liquid- liquid extraction.	27-07-91	5/00.	198-D.	F.C.
169177 (53/Mas/87)	27-01-87	MAGYAR ALUMINIU- MPARI TROSZT.	Apparatus for sizing the grains in alumina hydrate slurry.	14-09-91	5/66.	40-F-GROUP -IV(1).	F.C.
169272 (557/Del/87)	01-07-87	JOHN MAURICE FLE- TCHER.	A dressing table for separa- ting a mixture of particulate ores and/or other solid materials.	21-09-91	9/00, 9/04.	167-E.	F.I.
169605 (341/Mas/87)	11-05-87	THE BRITISH PETRO- LIUM COMPANY P.L.C.	A process for producing small coal with reduced water content from wet small coal.	23-11-91	5/00.	198-D-GROUP -XXXIV(5)	F.C.
169740 (673/Cal/88)	08-08-88	VSESOJUZNY NAUC— HNOISSLEDOVATELS- KY INSTITUT ZOLOTA I REDKIKH METALLOV SSR.	Concentrator for beneficiating minerals.	14-12-91	5/06, 5/58.	141-A & D.	F.C.
169766 1128/Del/86)	23-12-87	O & K ORENSTEIN & KOPPEL AKTIENGESE- LISCHAFT.	Apparatus for classifying powdered bulk materials.	21-12-91	4/00.	167C DG.	F.C.
B 03 C : Magnetic or electrostatic separation-							
168023 (785/Del/86)	02-09-86	DRESSER U.K. LIM- TED.	An electro-precipitator collec- tor electrode system.	26-01-91	3/00.	194-B-LXIII (4).	F.C.
168338 (524/Cal/87)	08-07-87	METAGESELLSCHAFT AKTIENGESELISCHAFT	Corona discharge electrodes.	16-03-91	3/40.	122.	F.C.
168831 (757/Cal/85)	25-10-85	METALLGESELLSCHA- FT AKTIENGESELISC- HAFT.	Method of obtaining pure gas from a dust laden gas.	22-06-91	3/00.	122.	F.C.
168905 (321/Cal/88)	20-04-88	UKRAINSKY INSTITUT INZHENEROV VODNO- GO KHOZYAISTVA.	Apparatus for separating fer- romagnetic materials from fluid media.	06-07-91	1/02, 1/24.	122 03 A2	F.C.
168947 (878/Cal/87)	09-11-87	VSESOJUZNY ELEKTRO TEKHENICHESKY INS- TITUT INENI V.I. LENINA.	Device for power supply of gas-cleaning electrical preci- pitators. -	20-07-91	3/66.	122.	F.C.
169167 (83/Mas/87)	06-02-87	FLAKT AKTIEBOLAG.	Apparatus for obtaining hot gas flow free of contaminants.	07-09-91	3/00, 3/01.	6-B ₃ -GROUP -XLVII(1).	F.C.
169463 (175/Mas/87)	12-03-87	FLAKT AKTIEBOLAG.	An insulator electrode for an electrostatic dust precipitator.	19-10-91	3/74.	31-C-GROUP- LVIII(2).	F.C.

1	2	3	4	5	6	7	8
169773 (771/Cal/88)	13-09-88	UKRAINSKY INSTITUT INZHENEROV VODNO- GO KHOZYAISTVA USSR.	Apparatus for separation of ferromagnetic materials from fluid media.	21-12-91	1/00.	122.	F.C.
169782 (556/Mas/87)	03-08-87	DE BEFRS CONSOLI- DATED MINES LIM- ITED.	An apparatus for separating diamonds from a slurry of diamondiferous gauge.	21-12-91	9/00.	122-GROUP- XXXIII.	F.C.
169795 (401/Mas/87)	01-06-87	ALTALANOS SZOLGAL- TATO ES EPITOIPARI KISSZOVETKEZET.	Apparatus for reducing sug- facial stress and removing ferromagnetic materials from liquids.	21-12-91	1/02.	122-GROUP- XXXIII(6).	F.C.

B 03 D : Flotation : Differential sedimentation-

168625 (963/Cal/87)	09-12-87	BELOIT CORPORATION	An improved pressurised froth flotation module for separating inkladen foam from an aerated pulp slurry to form paper.	11-05-91	1/00.	40-F, 80-H.	F.C.
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B 04 : CENTRIFUGAL APPARATUS OR MACHINES FOR CARRYING OUT PHYSICAL OR CHEMICAL PROCESSES.**B 04 B : Centrifuges.**

168688 (26/Mas/87)	16-01-87	BRAUNSCHWEIGISCHE MASCHINENABUANS- TALT AG.	Continuously operating sugar centrifugal.	18-05-91	1/00.	37-B-GROUP- XXXIV(1).	F.C.
168780 (25/Mas/87)	16-01-87	BRAUNSCHWEIGISCHE MASCHINENBAUANS- TALT AG.	Continuously operable centri- fuge for mashing and cen- trifuging of sugar messecuite.	01-06-91	1/00.	37-B-GROUP- XXXIV(1).	F.C.
168911 (40/Cal/88)	18-01-88	STEVEN ALEXANDER MACALISTER.	A concentrator for separa- ting particulate material of higher specific gravity.	13-07-91	3/00.	37-A, 141-D.	F.I.

B 04 C : Apparatus using free vortex flow. e.g. cyclones.

168321 (301/Cal/87)	20-04-87	NOEL CARROLL.	Cyclone separator.	16-03-91	5/08, 5/081.	37-A.	F.I.
168805 (931/Cal/87)	26-11-87	DELAWOOD PTY. LTD.	Hydrocyclone for separating a mixture of dispersed phase of lighter component.	08-06-91	7/00.	37-A.	F.C.
168884 (858/Mas/86)	03-11-86	SHELL INTERNATIO- NALE RESEARCH MA- ATSCHAPPIJ B.V.	Apparatus for solids-fluid separation.	06-07-91	5/01.	37-A-GROUP- XXXIV(1).	F.C.

B 05 : SPRAYING OR STOMISING IN GENERAL; APPLYING LIQUIDS OR OTHER FLUENT MATERIALS TO SURFACES. IN GENERAL.**B 05 B : Spraying apparatus : Atomising apparatus; Nozzles.**

168244 (631/Cal/88)	29-07-88	ETABLISSEMENTS MO- RELATELIERS ELECT- ROMECHANIQUES DE FAVIERS.	Cartridge for injecting a mix- ture of two liquid constituents	23-02-91	1/00.	106.	F.C.
168402 (362/Bom/87)	12-12-88	UPINDER SINGH S. NARULA, HARLVEN KARU J. NARULA, NARINDER SINGH J. NARULA.	Thumb controlled water spray	30-03-91	1/14.	173-B- XXIX(2).	I.I.

1	2	3	4	5	6	7	8
168724 (301/Del/87)	09-04-87	IMPERIAL CHEMICAL INDUSTRIES P.L.C.	Electrostatic spraying apparatus.	25-05-91	5/02.	173-B-XXIX (2).	F.C.
168832 (858/Cal/86)	26-11-86	DEGUSSA AKTIENGES-SELSCHAFT.	An atomizing nozzle and a process for forming an atomize by the use of said nozzle.	22-06-91	1/00, 1/02, 1/04,	173-A.	F.C.
168984 (345/Cal/87)	29-04-87	PROJECTS & DEVELOPMENT INDIA LIMITED.	An atomizing nozzle.	03-08-91	17/00.	173-A.	I.C.
169303 (165/Mus/87)	10-03-87	THE DOW CHEMICAL COMPANY.	An apparatus for the discharge of an atomized liquid and gas dispersion into a vessel.	28-09-91	7/00.	173-A-GROUP-XXIX(2).	F.C.
169397 (288/Mas/87)	20-04-87	FLUID TECHNOLOGY (AUST) LIMITED.	Fluid injection system.	12-10-91	7/00.	106 & 173B GROUP-XLVII(2) & XXIX(2).	F.C.
169734 (303/Cal/88)	13-04-88	CASTOLIN S.A	A process for the production of the sprayed surface on a workpiece.	14-12-91	3/00.	188.	F.C.

B 05 C : Apparatus for applying liquids or other fluent materials to surfaces, in general.

168498 (902/Cal/87)	18-11-87	BELOIT CORPORATION	A coating apparatus for applying coating material to the surface of a paper web.	13-04-91	9/00.	154-D.	F.C.
168612 (25/Del/87)	14-01-87	GELLER GEORGE ROBERT.	An apparatus for fabrics to produce at least one desired such as softening appearance or material constitution of such fabrics.	04-05-91	1/00.	73-XXII(2).	F.I.
169400 (293/Mas/87)	22-04-87	CANTAMESSA G.F.S. P.A.	An apparatus for washing insulators supporting overhead electric live lines.	12-10-91	9/00.	197-GROUP-XLIII(5).	F.C.

B 05 D : Processes for applying liquids or other fluent materials to surfaces, in general

167910 (786/Mas/86)	30-09-87	INDIAN SPACE RESEARCH ORGANISATION.	A process for preparing a front or rear surface electrically conducting silver reflector having improved optical and durability properties and the reflector so prepared.	05-01-91	5/12.	146-D ₃ -GROUP XXXV(II(2).	I.C.
168336 (510/Cal/87)	01-07-87	DU PONT CANADA INC.	Composite structure for use as gas barriers and process for preparing the same.	16-03-91	7/02.	155-F ₁ .	F.C.

B 06 : GENERATING OR TRANSMITTING MECHANICAL VIBRATIONS IN GENERAL.

B 06 B : Methods or apparatus for generating or transmitting mechanical vibrations of infrasonic, sonic, or ultrasonic frequency for performing mechanical work in general.

169664 (359/Mas/87)	15-05-87	ALUMINIUM PECHINEY.	A pneumatic suspension device for a machine for compacting carbonaceous blocks.	30-11-91	1/00.	136-J-GROUP-XIII	F.C.
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1	2	3	4	5	6	7	8
B 07 : SEPARATING SOLIDS FROM SOLIDS, SORTING.							
B 07 B : Separating solids from solids by sieving, screening, or sifting or by using as currents, other separating by dry methods applicable to bulk material, e.g. loose articles fit to be handled like bulk materials-							
168820 (142/Bom/89)	31-05-89	THYSEN INDUSTRIES AG.	A process for the simultaneous dry separation of damaging substances from flue gases and a plant for carrying out the same.	15-06-91	13/00.	108-C3-XXXIII (5) 167D, C-XXXIV(4).	F.C.
169753 (1010/Cal/89)	06-12-89	CRA SERVICES LIMITED.	Apparatus for sorting or classifying particles.	21-12-91	7/00.	167-D.	F.C.
169766 (1128/Del/86)	23-12-86	O & K ORENSTEIN & KOPPEL AKTIENGESELLSCHAFT.	Apparatus for classifying powdered bulk materials.	21-12-91	4/02, 7/083, 9/00, 13/02, 13/04, 15/00.	167-C DG.	F.C.
B 07 C : Postal sorting, Sorting individual articles or bulk material fit to be sorted Piece-meal, e.g. by picking.							
168127 (814/Mas/86)	15-10-86	OWENS-ILLINOIS GLASS CONTAINER INC.	A system for inspection and sorting of molded containers.	09-02-91	5/34.	167-C-GROUP -XXXIV (4).	F.C.
169751 (923/Cal/88)	04-11-88	CANZIANI FRANCESCO	Apparatus for sorting items in an open path routing system.	21-12-91	9/00.	167-C.	F.I.
B 08 : CLEANING							
B 08 B : Cleaning in general, Prevention of fouling in general.							
168122 (678/Mas/86)	22-08-86	JAMES FAHEY.	Apparatus for controlling the operation of a pneumatic dust, fibre or yarn collecting system.	09-02-91	5/04.	172-D4 6-B3-GROUPS XX, XLVII(1).	F.I.
168789 (325/Bom/88)	25-11-88	RIFOX ENGINEERING (INDIA) PVT. LTD.	Improved sonic cleaner.	08-06-91	9/02.	16-B-LX(1).	I.C.
B 21 : MECHANICAL METAL-WORKING WITHOUT ESSENTIALLY REMOVING MATERIAL, PUNCHING METAL.							
B 21 B : Rolling of metal.							
168252 (672/Cal/87)	27-08-87	1. URALSKY POLITEKHNIЧЕСКИЙ ИНСТИТУТ ИМЕНИ С.М. КИРОВА. 2. НИЖНЕТАГИЛЬСКИЙ МЕТАЛЛУРГИЧЕСКИЙ КОМБИНАТ ИМЕНИ В.И. ЛЕНИНА.	Method for restoring worn old surfaces of steel parts.	02-03-91	23/02.	129-J; M.	F.C.
169237 (699/Del/86)	31-07-86	PALMER TUBE MILLS (AUST) PTY. LTD.	Roll forming of metal articles from hot rolled steel strip.	14-09-91	23/00.	129-J.	F.C.
B 21 C : Manufacture of metal sheets, wire, rods, tubes, or profiles, otherwise than by rolling, Auxiliary operations used in connection with metal-working without essentially removing material.							
169680 (680/Cal/88)	10-08-88	KABELMETAL ELEKTRO GMBH.	Process and apparatus for the manufacture of a longitudinal-seam-welded tube.	30-11-91	37/08.	129-B.	F.C.

1	2	3	4	5	6	7	8
B 21 D : Working or processing of sheet metal or metal tubes, rods or profiles without essentially removing material ; Punching-							
168316 (108/Cal/87)	06-02-87	VALLOUREC.	Composite article having a tubular sheath containing a compacted material for the treatment of liquid metals, and process for the production of said article.	09-03-91	49/00, 53/06.	151-D 1-F.	F.C.
169683 (651/Dcl/85)	08-08-85	CEARA ENGINEERING LIMITED.	An apparatus for manufacturing components.	07-12-91	28/00.	129-O.	F.C.
B 21 F : Working or processing of wire.							
168533 (480/Dcl/87)	04-06-87	N.V. BEKAERT S.A.	A method of producing steel reinforcing elements in the form of steel wire.	20-04-91	19/00.	188.	F.C.
B 21 H: Making particular metal objects by rolling, e.g. screws, wheels, rings, barrels, balls.							
168585 (774/Mas/86)	30-09-86	AKEBONO BRAKE INDUSTRY CO. LTD.	Straightener roll machine for brake shoe.	04-05-91	1/00.	129-J-GROUP XXXV.	F.C.
169712 (773/Cal/88)	15-09-88	NAUCHNO-PROIZVODS-TVENNOE OBIEDINE-NIE "ANITIM" USSR.	Device for longitudinal rolling of profiles.	14-12-91	1/20.	129-G.	F.C.
B 21 J : Forging, Hammering, Pressing, Riveting, Forge furnaces.							
168432 (772/Mas/86)	29-09-86	SMS HASENCLEVER MASCHINENFABRIK GMBH.	A multiple stage forging press	06-04-91	9/02.	129-E-GROUP XXXV.	F.C.
169456 (110/Cal/88)	08-02-88	EATON CORPORATION	Method of forging a series of ring rolling preforms and a forging die therefor.	19-10-91	5/00, 13/00.	129-E.	F.C.
B 22 : CASTING, POWDER METALLURGY.							
B 22 C : Foundry moulding.							
168126 (792/Mas/86)	07-10-86	ACME RESIN CORPORATION.	A process for making a shaped article such as foundry core or mold.	09-02-91	1/00.	136-E, 136-F, 129-G-GROUPS XIII, XXXV.	F.C.
168226 (534/Cal/87)	13-07-87	KABEL-UND METALLWERKE GUTEHOFFNUNGSHUTTE AKTIEN-GESELLSCHAFT.	Process for the manufacture of copper alloy for use as material for the manufacture of continuous casting ingot moulds.	23-02-91	9/00.	9-E, F & 33-F.	F.C.
168360 896/Mas/88)	16-12-88 ante dt. to 14-05-85	GENERAL MOTORS CORPORATION.	Unitary, rigid, self-supporting, gas permeable, low temperature bonded, sand grain mold with gas collection voids.	16-03-91	9/00.	33-F-GROUP-XXXIII(3).	F.C.
168439 (997/Mas/86)	19-12-86	FOSECO INTERNATIONAL LIMITED.	Method and feeder pattern for the production of casting moulds.	06-04-91	7/00.	33-D & G, GROUP-XXXIII(3).	F.C.
168934 (29/cal/88)	13-01-88	WESTINGHOUSE ELECTRIC CORPORATION.	Apparatus for silicon dendritic web crystal growth.	20-07-91	9/00.	33-D, F.	F.C.

1	2	3	4	5	6	7	8
168961 (553/Cal/88)	28-01-88	KABEL-UND METALL- WERKE GUTEHOFF- NUN -GSHUTTE AKTIE- NGESELLSCHAFT.	Procedure for the manufacture of continuous ingo moulds for continuous casting machines.	27-07-91	9/00.	33-A.	F.C.
169416 (681/Mas/87)	21-09-87	FOSECO INTERNATIO- NAL LIMITED.	Feeder sleeves for use in casting of molten metals.	12-10-91	9/00.	33-C & D GROUP- XXXIII(3).	F.C.
169711 (664/Cal/88)	05-08-88	KM-KABELMETAL AK- TIEN-GESELESCHAFT.	Improvements relating to ingot moulds in particular continuous casting ingot moulds and the like.	14-12-91	9/00.	33A & F, 9 E & F.	F.C.
B 22 D : Casting of metals. Casting of other substances by the same process or devices.							
167928 (735/Cal/87)	15-09-87	DANIELI & CO. OFFI- CINE MECCANICHE S.P.A.	A method and integrated plant for continuously converting metallic charge into semifinished products.	12-01-91	11/00.	33-A.	F.C.
168100 (1019/Mas/86)	29-12-86	BENTAVOLGYE MGT SZ	Apparatus for reinstating outworn ingot mould surfaces.	02-02-91	7/06.	33-c, d & f GROUP- XXXIII(3).	F.C.
168200 (463/Del/88)	25-05-88 ante dt. to 22-08-85	ALLEGHENY LUDLUM STEEL CORPORATION.	Method of directly casting molten metal to continuous strips of crystalline metal.	16-02-91	11/04.	33-H.	F.C.
168304 (42/Del/87)	21-01-87	STEMCOR CORPORA- TION.	A method for producing a refractory fused cast-moulding.	09-03-91	23/00.	35-E-XXV(2).	F.C.
168332 (479/Cal/87)	19-06-87	KABEL-UND METALL- WERKE GUTEHOFF- UNGHUTTE AG.	Process for the manufacture of a continuous casting ingot mould from a copper alloy.	16-03-91	11/00.	33-A.	F.C.
168655 (343/Cal/88)	27-04-88	WESTINGHOUSE ELEC- TRIC CORPORATION.	A continous casting machine.	18-05-91	11/00, 11/124, 11/14, 11/16, 11/18.	33-A.	F.C.
168759 (285/Cal/88)	06-04-88	INJECTALL LIMITED.	Injection apparatus for use in injecting substances into molten metals contained in a vessel.	01-06-91	1/00, 45/00.	33-D; 106.	F.C.
168760 (284/Cal/88)	06-04-88	INJECTALL LIMITED.	An injector for injecting gas via an injection nozzle in the wall of a vessel containing liquid such as molten metal.	01-06-91	1/00.	106.	F.C.
168934 (29/Cal/88)	13-01-88	WESTINGHOUSE ELEC- TRIC CORPORATION.	Apparatus for silicon den- dritic web crystal growth.	20-07-91	41/00, 9/00.	33-D, F.	F.C.
168961 (553/Cal/88)	28-01-88	KABEL-UND METALL- WERKE GUTEHOFF- UN-SHUTTE AKTIENG- ESELISCHAFT.	Procedure for the manufac- ture of continuous ingot moulds for continuous casting machines.	27-07-91	11/00.	33-A.	F.C.
169066 (940/Cal/88)	10-11-88	DANIELI & C. OFFICINE MECCANICHE S.P.A.	Device to intensify the mag- netic field in an ingot mould.	31-08-91	7/06.	33-R.	F.C.
169181 (130/Mas/87)	25-02-87	SMS SCHLOEMANN- SIEM AG. AKTIENGES- ELISCHAFT.	A process and apparatus for the continuous of metal strip.	14-09-91	11/16.	33-A-GROUP- XXXIII(3).	F.C.
169208 (92/Mas/87)	10-02-87	FOSECO INTERNATIO- NAL LIMITED.	A mould for casting molten ferrous metal.	14-09-91	27/20.	33-F-GROUP- XXXIII(3).	F.C.

1	2	3	4	5	6	7	8
169225 (98/Mas/87)	13-02-87	SMS SCHLOEMANN-SIE-MAG AKTIENGES-ELLS-CHAFT.	Method and apparatus for continuously casting strip metal	14-09-91	11/00.	33-A & H-GROUP-XXXIII(3).	F.C.
169294 (1015/Mas/86)	26-12-86	SMS SCHLOEMANN-SIE MAG AKTIENGES-ELLS-CHAFT.	An improved mould for continuous casting of steel strip.	21-09-91	11/04.	33-A-GROUP-XXXIII(3).	F.C.
169369 (253/Mas/87)	06-04-87	DORRENBURG EDEL-STAHLE GMBH.	A reactor ladle for metallurgical processing.	05-10-91	41/00.	33-E-GROUP-XXXIII(3).	F.C.
169370 (254/Mas/87)	06-04-87	DORRENBURG EDEL-STAHLE GMBH.	An apparatus for casting molten metal in casting mould(s).	05-10-91	37/00.	33-E-GROUP-XXXIII(3).	F.C.
169431 (792/Cal/86)	30-10-86	AMERICAN CYANAMID COMPANY.	Method of manufacturing a bonded particulate article by reacting a polyol and a hetero-cyclic compound.	19-10-91	9/00.	104-N.	F.C.
169492 (282/Cal/88)	05-04-88	OWENS-CORNING FIBER-GLAS CORPORATION.	An improved cast article such as spinner and a method for the manufacture of same.	26-10-91	21/00, 25/00.	33-H & 9C & E & F.	F.C.
169578 (397/Cal/88)	17-05-88	STOPING AKTIENGES-ELLS-CHAFT.	Improved device for removing or preventing clots in a metal casting apparatus.	16-11-91	18/00.	33-A.	F.C.
169621 (15/Mas/87)	13-01-87	1. THYSSEN STHL AKTIENGES-ELLS-CHAFT. 2. SME SCHLOEMANN-SIEMAG AKTIENGES-ELLS-CHAFT.	A dummy bar head for a continuous steel strip casting plant.	23-11-91	11/03.	33-A-GROUP-XXXIII(3).	F.C.
169695 (722/Cal/88)	30-08-88	DANIELI & C. OFFICINE MECCANICHE S.P.A.	Immersed teeming nozzle.	07-12-91	11/00.	33-A.	F.C.
169711 (664/Cal/88)	05-08-88	KM-KABELMETAL AKTIENGES-ELLS-CHAFT	Improvements relating to ingot moulds in particular continuous casting ingot moulds and the like.	14-12-91	11/00.	33-A & F, 9-E & F.	F.C.

B 22 F : Worklog metallic powder, Manufacture of articles from metallic powder; Making metallic powder

168000 (312/Del/97)	13-04-87	SOCIETE NATIONALE D'ETUDE ET DE CONSTRUCTION DE MOTEURS D'AVIATION "S.N.E.C.M.A".	A foundry apparatus for the production of metal parts.	19-01-91	3/00.	35-G.	F.C.
168121 (667/Mas/86)	19-03-86	REIMBOLD & STRICK GMBH & CO.	Annular-gap type ball mill.	09-02-91	9/04.	94-A-GROUP-XXX;IV(2).	F.C.
169239 (924/Del/86)	20-10-86 ante- dated to 27-02-84	THE BRITISH PETROLEUM COMPANY.	A method of powder forging gallium coated aluminium or aluminium alloy powder.	14-09-91	1/00, 9/00.	9A & 129-E.	F.C.
169537 (547/Cal/88)	04-07-88	LANXIDE TECHNOLOGY COMPANY LP.	Method for forming complex oxidation reaction products including superconducting articles.	09-11-91	3/00.	9-F, 31-C, 93	F.C.
169594 (412/Cal/88)	24-05-88	CIME BOCUZE.	Process for the preparation of shaped products from tungsten-nickel-iron alloys.	16-11-91	3/14.	9-D.	F.C.

1	2	3	4	5	6	7	8
B 23 : MACHINE TOOLS, METAL-WORKING NOT OTHERWISE PROVIDED FOR							
B 23 B : Turning, Bring-							
168692 (859/Mas/86)	28-01-88	CENTRAL MACHINE TOOL INSTITUTE.	An improved high speed knurling tool.	18-05-91	27/24.	129G & P-GROUP-XXXV.	I.C.
169193 (744/Del/88)	05-09-88 ante- dated to 16-04-86	THE CROSS COMPANY.	Toolhead for use in a turning machine.	14-09-91	3/00, 11/00.	129G & P.	F.C.
169223 (31/Mas/87)	07-04-88	CENTRAL MACHINE TOOL INSTITUTE.	An improved balance cut boring bar.	14-09-91	27/14, 27/16.	129-C-GROUP XXXV.	I.C.
169236 (342/Del/86)	16-04-86	THE CROSS COMPANY.	A device for controlling radial position of a tool relate to rotational axis of workpiece.	14-09-91	3/00, 11/00.	129-P, G.	F.C.
169396 (276/Mas/87)	13-04-87	CENTRAL MACHINE TOOL INSTITUTE.	An adaptive controller for maintaining a desired preset power in a machine tool.	12-10-91	25/06.	129-G & 133-A-GROUPS-XXXV & LIX(3).	I.C.
169465 (280/Mas/87)	15-07-88	CENTRAL MACHINE TOOL INSTITUTE.	An automatic deep hole re-ssing head.	19-10-91	41/02, 29/00, 27/00.	129C & G-GROUP-XXXV.	I.C.
B 23 C : Milling							
168768 (990/Cal/87)	21-12-87	INDUPACK AG.	A filtering device for use in a known extrusion apparatus for filtering a heat-softened stream of plastic material.	01-06-91	47/00.	136-C, E.	F.C.
B 23 D : Planning; Slotting; Shearing; Broaching; Sawing, Filing; Scraping; Like operations for working metal by removing material, not otherwise provided for							
168054 (1031/Del/86)	26-11-86	LEBEVER CO.	Circular saw blade assembly.	26-01-91	61/00.	207.	F.C.
169290 (304/Mas/87)	28-04-87	JAMES EVEN JORDE.	Chain saw sharpner.	21-09-91	63/16.	95-H, 153-GROUP-XLIII(2), XLIII(3).	F.I.
B 23 F : Making gears or toothed racks							
168206 (109/Cal/88)	08-02-88	EATON CORPORATION	Method for producing ring gears for heavy duty drive axles.	16-02-91	1/00, 9/02, 21/00.	127F, 129-E, F.G.	F.C.
B 23 K : Soldering, Welding; Cladding or plating by soldering or welding; Cutting by applying heat locally; e.g. flame-cutting; Working by laser beam							
168252 (672/Cal/87)	27-08-87	1. URALSKY POLITEKH-NICHESKY INSTITUT IMENI S.M.KIROVA. 2. NIZHNETAGILSKY METALLURGICHESKY KOMBINAI IMENI V.I. LENINA.	Method for restoring worn-out surfaces of steel parts.	02-03-91	5/18.	129-J; M.	F.C.

1	2	3	4	5	6	7	8
168475 (681/Mas/86)	25-08-86	EUTECTIC CORPORATION.	A cored tubular electrode for the electric arc cutting or gouging of metals.	13-04-91	35/08.	129-G, G 129-Q-GROUP XXXV.	F.C.
168476 (682/Mas/86)	25-08-86	EUTECTIC CORPORATION.	A cored tubular metallic arc electrode for use in gas-assistant cutting and gouging of metal substrates.	13-04-91	35/04.	129-Q-GROUP XXXV.	F.C.
168518 (252/Cal/88)	28-03-88 ante- dated to 07-02-86	MICHIGAN CONSOLIDATED GAS COMPANY	A gaseous fuel torch apparatus adapted for use in cutting or welding operations.	20-04-91	1/00.	129-G, Q.	F.C.
168889 (48/Mas/87)	23-01-87	EUTECTIC CORPORATION.	An electrode-shielding nozzle for use in gas-flow focusing of an electric-arc discharge.	06-07-91	9/00, 9/32	194-C ₂ -GROUP LXIII(4).	F.C.
168980 (944/Cal/87)	02-12-87	LEO LARIKKA.	Apparatus for making divergent cuts chamfered relative to a cutting surfaces by means of torch cutting.	03-08-91	5/24.	129-Q.	F.I.
169046 (126/Cal/88)	12-02-88	1. GOSUDARSTVENNY PROEKTNY I NAUCHNO-ISSLEDOVATELSKY INSTITUT NIKEL-EVO KOBALTOVOI PROMYSHLENNOSTI (GIPRONIKEL). 2. VESOJUZYNY NAUCHNO ISSLEDOVATELSKY I PROEKTNO-TEKHNOLOGICHESKY INSTITUT UGOLONOGO MASHINOSTROENIA "VNIPTUGLEMAH"	An improved method of plasma-arc treatment of materials preferably but not exclusively for use in machine building.	24-08-91	9/00.	40-F.	F.C.
169209 (93/Mas/87)	11-02-87	THE LINCOLN ELECTRIC COMPANY.	An agglomerated flux for electric arc welding.	14-09-91	35/22.	129-Q-GROUP XXXV.	F.C.
169317 (162/Mas/87)	10-03-87	AKEBONO BRAKE INDUSTRY CO. LTD.	Brake shoe holding device for bonding a brake shoe lining to a brakeshoe body.	28-09-91	37/04.	97-F-GROUP- LIX(2).	F.C.
169325 (205/Mas/87)	19-03-87	EUTECTIC CORPORATION.	An electric arc torch assembly.	28-09-91	7/00.	120-Q-GROUP XXXV.	F.C.
169406 (189/Mas/87)	17-03-87	DR. PHILIP JOHN BLAKELEY.	An apparatus for reducing the strength of magnetic fields in the vicinity of a weld zone in a workpiece to be welded.	12-10-91	9/00.	129-Q-GROUP XXXV.	F.I.
169481 (204/Mas/87)	19-03-87	EUTETIC CORPORATION.	An improved gss metal arc welding apparatus.	26-10-91	9/00, 9/16.	129-Q-GROUP XXXV-	F.C.
169543 (299/Del/87)	09-04-87	EXPLOWELD AB.	A method of explosively welding together planar or curved workpieces.	09-11-91	20/08.	129-Q.	F.C.
B 23 P : Other working of metal; Combined operations; Universal machine tools.							
168252 (672/Cal/87)	27-08-87	1. URALSKY POLITE KHNIHESKY INSTITUT IMENI S. M. KIROVA. 2. NIZHNETA-GILSKY METALLURGICHESKY KOMBINAT IMENI V.I. LENINA.	Method for restoring worn-out surfaces of steel parts.	02-03-91	6/00.	129-J ; M.	F.C.

1	2	3	4	5	6	7	8
168493 (849/Cal/87)	30-10-87	SPETS IALNOE KONS- TRUKTORSKO-TEKH- NOLOGICHESKOE BJU- RO KOMPRESSORNO GO I KHOLODILNEGO MASHINO-STROENIA PROIZVODSTVENNOGO OBIEDINENIA "ODESKHOLODMASH"	Apparatus for finish-machin- ing a workpiece.	13-04-91	9/00.	129-G.	F.C.
168518 (252/Cal/88)	28-03-88 ante- dated to 07-02-86	MICHIGAN CONSOLI- DATED GAS COMPANY	A gaseous fuel torch apparatus adapted for use in cutting or welding operations.	20-04-91	3/00.	129-G; Q.	F.C.
169022 (108/Cal/88)	08-02-88	FATON CORPORATION.	Method for producing near net ring gear forgings.	17-08-91	15/14.	129-E.	E.C.
169223 (31/Mas/87)	07-04-88	CENTRAL MACHINE TOOL INSTITUTE.	An improved balance cut boring bar.	14-09-91	15/28, 15/30.	129-C-Group- XXXV.	I.C.
169847 (519/Mas/87)	21-07-87	FIRMA ERNST WINTER & SOHN GMBH & CO.	A process for producing diamond grains having improved cutting ability.	28-12-91	5/00.	178-Group- XXV(3).	F.C.
169849 (518/Mas/87)	21-07-87	FIRMA ERNST WINTER & SOHN GMBH & CO.	Dressing tool for grinding wheels.	28-12-91	5/00.	129-G-Group- XXXV.	F.C.
<p>B 23 Q : Details, components, or accessories for machine tools, e.g. arrangements for copying or controlling; Machine tools in general, characterised by the the construction of particular details or components; Combinations or associations of metal-working machines, not directed to a particular result.</p>							
168547 (978/Cal/87)	16-12-87	HITACHI LTD.	Hermetic dynamic machine.	20-04-91	11/00.	15-D.	F.C.
168652 (268/Cal/88)	30-03-88	KRUPP WIDIA GESELLS- CHAFT MIT BESCHRAN- KTER HAFTUNG MUNCHENER STR.	A tool changing device.	18-05-91	3/155.	129-G.	F.C.
168758 (173/Cal/88)	29-02-88	KRUPP WIDIA GESELLS- CHAFT MIT BESCHRA- NKTER HAFTUNG- MUNCHENER STR.	Tool coupling.	01-06-91	3/00.	129-G.	F.C.
169038 (501/Cal/88)	20-06-88	FRIED, KRUPP GESELLS- CHAFT MIT MESCHR- NKTER HAFTUNG.	A rotationally symmetrical tool assembly.	24-08-91	3/00.	129-G.	F.C.
169496 (296/Cal/88)	11-04-88	FRIED KRUPP GESELLS- CHAFT MIT BESCHRAN- KTER HAFTUNG.	An apparatus for receiving a tool carrier.	26-10-91	3/00.	129-P.	F.C.
<p>B 24 : GRINDING; POLISHING.</p>							
<p>B 24 B : Machines, devices, or processes for grinding or polishing; Dressing or conditioning of abrading surfaces; Feeding of grinding, polishing, or lapping agents.</p>							
168389 (116/Cal/88)	10-02-88	KABUSHIKI KAISHA NISSHIN SEISAKUSHO.	Method of grinding slipper surface or a rocker arm and a device for performing the same.	23-03-91	11/00.	129-H.	F.C.

1	2	3	4	5	6	7	8
168493 (849/Cal/87)	30-10-87	SPETS IALNOE KONSTRUKTORSKO-TEKHNOLOGICHESKOE BJURO KOMPRESSORNOGO I KHOLODILNOGO MASHINO-STROENIA PROIZVODSTVENNOGO OBIEDINENIA "ODESKHOLODMASH".	Apparatus for finish-machining a workpiece.	13-04-91	31/00.	129-G.	F.C.
168766 (943/Cal/87)	01-12-87	B & J MANUFACTURING COMPANY.	Abrading tool.	01-06-91	11/00.	205-B; 153.	F.C.
169222 (22/Mas/87)	15-01-87	AMSTED INDUSTRIES INCORPORATED.	A grinding apparatus.	14-09-91	49/00, 47/20, 47/22.	129-G-Group-XXXV.	F.C.
169288 (281/Mas/87)	16-07-88	CENTRAL MACHINE TOOL INSTITUTE.	An internal roller burnishing tool.	21-09-91	39/00.	129-G-Group-XXXV.	I.C.
169367 (275/Mas/87)	13-04-87	BRILCUT PATENTANSTALT.	A machine for bruting gemstones.	05-10-91	9/16.	153-Group-XLIII(3).	F.C.
169849 (518/Mas/87)	21-07-87	FIRMA ERNST WINTER & SOHN (GMBH & CO.)	Dressing tool or grinding wheels.	28-12-91	53/047.	129-G-Group-XXXV.	F.C.
B 24 C : Abrasive or related blasting with particulate material							
168092 (802/Mas/86)	10-10-86	THE BRITISH HYDROMECHANICS RESEARCH ASSOCIATION.	An apparatus for generating a jet of an abrasive mixture of abrasive material and carrier liquid.	02-02-91	3/12.	170-B-Group-XLIII(4).	F.C.
B 25 : HAND TOOLS; PORTABLE POWER-DRIVEN TOOLS; HANDLES FOR HAND IMPLEMENTS; WORKSHOP EQUIPMENT; MANIPULATORS.							
B 25 G : Handles for hand implements.							
168814 (39/Bom/89)	07-03-89	MOHAN MAHADEV GUPTE.	Improved cleaning brushes.	15-06-91	3/00.	26-XLIII(1), 189-LVI(1), 197-XLIII(5).	I.I.
B 26 : HAND CUTTING TOOLS; CUTTING; SEVERING.							
B 26 D : Cutting; Details common to machines for severing. e.g. by cutting, perforating, punching, stamping-out.							
168172 (94/Cal/89)	30-01-89 ante dated to 14-01-86	SECK WING CHEE.	A cutter blade assembly for a rotary cutting machine and a rotary cutting machine incorporating the same.	16-02-91	1/00.	5-D.	F.I.
B 27 : WORKING OR PRESERVING WOOD OR SIMILAR MATERIAL; NAILING OR STAPLING MACHINES IN GENERAL.							
B 27 K : Processes, apparatus or selection of substances for impregnating, staining, dyeing, bleaching of wood or similar materials, or treating of wood or similar materials with permanent liquids, not otherwise provided for; Chemical or physical treatment of cork, cane, reed, straw or similar materials.							
168462 (645/Mas/86)	11-08-86	1. ROGER M. ROWELL, 2. RUNE SIMONSON. 3. ANNEMARIE TILLMANN.	A process for producing lignocellulosic materials with improved dimensional stability and biological resistance.	06-04-91	3/36.	207-GROUP-XLIII(6).	F.I.

1	2	3	4	5	6	7	8
168675 (961/Cal/88)	18-11-88 ante dated to 10-10-85	INTERFACE RESEAR- CH CORPORATION.	A method of preparing a microbiocidal composition.	18-05-91	3/36.	55-D ₂ .	F.C.
169001 (49/Cal/87)	15-01-87	THEODORE F. COOKB.	A method of treating wood to render it less susceptible to fungal and bacterial dete- rioration.	10-08-91	3/00.	207.	F.I.
B 27 L : Removing bark or vestiges of branches; Splitting wood; Manufacture of veneer, wooden sticks, wood shavings, wood fibres or wood powder.							
169536 (542/Cal/88)	01-07-88	LANXIDE TECHNOLO- GY COMPANY, LP.	A method for producing direct contact heat storage medium.	03-11-91	3/00.	9-F; 31-HC, 93.	F.C.
B 28 : WORKING CEMENT; CLAY, OR STONE.							
B 28 B : Shaping clay or other ceramic compositions, slag or mixtures containing cemen- titious material, e.g. plaster.							
168157 (737/Cal/87)	15-09-87	LANXIDE TECHNOLO- GY COMPANY, LP.	Method for producing self- supporting ceramic compo- site bodies.	09-02-91	1/00.	25-C.	F.C.
168394 (198/Del/87)	05-03-87	SOCIETE NATIONALE D'ETUDE ET DE CON- STRUCTION DE MOTE- URS D'AVIATION— "S.N.E.C.M.A."	A process for the production of ceramic cores.	23-03-91	7/28.	33-F.	F.C.
168478 (690/Mas/86)	28-08-86	R. CLARKE & CO. (MOULDS) LIMITED.	Collapsible mould core.	13-04-91	7/28.	136-F-GROUP- XIII.	F.C.
168503 (27/Cal/88)	13-01-88	LANXIDE TECHNOLO- GY COMPANY, LP.	A method for producing a self-supporting ceramic com- posite structure.	13-04-91	11/00.	35-E	F.C.
168678 (421/Cal/89)	01-06-89 ante dated to 01-04-87	BORDEN INC.	A composition useful as a tamping and ramming com- position adaptable and suit- able for use in monolithic shape construction.	18-05-91	1/04.	152-D, E.	F.C.
168883 (852/Mas/86)	30-10-86	POROUS PLASTICS LIMITED.	A mould for producing an at least partially sintered product.	06-07-91	21/82.	33-F-GROUP- XXXIII(3).	F.C.
169033 (396/Cal/88)	17-05-88	E.I. DU PONT DE NE- MOURS AND COMPANY	An improved fibrous pulp of oriented polyethylene fibrils and process for making same.	24-08-91	1/00.	35-A; 152-E.	F C
169499 (327/Cal/88)	25-04-88	FAKOMBINAT SZOM- BATHELY.	Process and apparatus for the production of bodies, especi- ally building units from after hardening materials.	26-10-91	7/00.	25-D	F C
169713 (774/Cal/88)	15-09-88	NISSEI JUSHI KOGYO KABUSHIKI KAISHA.	A mold champing device.	14-12-91	7/00	136-F	F C

1	2	3	4	5	6	7	8
B 28 C : Preparing clay; Producing mixtures containing clay or cementitious material e.g. plaster.							
168324 (369/Cal/87)	06-05-87	KAUTAR OY.	Method for producing concrete or mortar and an apparatus for carrying out the method.	16-03-91	5/00.	35-C.	F.C.
168549 (1009/Cal/87)	29-12-87	SHIMIZU CONSTRUCTION CO. LTD.	Method of manufacturing concrete and apparatus therefor.	20-04-91	5/00.	35-C.	F.C.
B 28 D : Working stone or stone-like materials.							
168403 (257/Bom/88)	09-09-88	KIRTILAL KALIDAS DOSHI.	Circular diamond holding disc for kerfing.	30-03-91	7/04.	178-XXV(3).	I.I.
B 29 : WORKING OF PLASTICS: WORKING OF SUBSTANCES IN A PLASTIC IN GENERAL.							
B 29 B : Preparation or pretreatment of the material to be shaped; Making granules or preforms; Recovery of plastics or other constituents of waste material containing plastics.							
167930 (886/Cal/87)	11-11-87	EREMA ENGINEERING RECYCLING, MASOCHEN-AXLAGEN GESSELLSCHAFT M.B.H.	Apparatus for comminuting and extruding synthetic plastics material.	12-01-91	7/00, 11/00, 13/00.	136-C; E.	F.C.
168336 (510/Cal/87)	01-07-87	DU PONT CANADA INC.	Composite structures for use as gas barriers and process for preparing the same.	16-03-91	15/10.	155-F1.	F.C.
B 29 C : Shaping or joining of plastics; Shaping of substances in a plastic state. In general; After-treatment of the shaped products.							
167930 (886/Cal/87)	11-11-87	EREMA ENGINEERING RECYCLING, MASCHINEN ANLAGEN GESELLSCHAFT M.B.H.	Apparatus for comminuting and extruding synthetic plastics material.	12-01-91	47/00.	136-C;E.	F.C.
167943 (84/Cal/88)	01-02-88	MENZOLIT GOBH.	Process and apparatus for producing fibre reinforced thermoplastic material for the production of mouldings.	12-01-91	39/00.	136-E, C, H.	F.C.
168048 (946/Del/86)	27-10-86	WILFRIED DREYFUSS, THOMAS EDWARD REMP.	A moulding apparatus for injection moulding threaded plastic closure articles.	26-01-91	33/00, 33/02, 45/00.	136-E.	F.I.
168145 (324/Mas/88)	16-05-88	MAUSER-WERKE GMBH.	A method of producing a hollow body.	09-02-91	49/04.	136-C, 136-E, GROUP-XIII	F.C.
168171 (356/Cal/86) q	08-05-86	PETAINER S.A.	Hollow body method and apparatus for producing the same.	16-02-91	39/04, 57/00.	136-E.	F.C.
168242 (49/Cal/88)	21-01-88	PLASTICON PATENTS, S.A.	A plastic preform for forming blow molded plastic containers.	23-02-91	45/00.	90-I, J, H.	F.C.

1	2	3	4	5	6	7	8
168254 (85/Cal/88)	01-02-88	MENZOLIT GMBH.	Process and apparatus for producing dimensionally stable semi-finished package from fibre reinforced thermo-plastic material.	02-03-91	35/00.	13-A; 40-F.	F.C.
168490 (791/Cal/87)	12-10-87	GEORGE FISCHER Ag.	Apparatus and method for fusion joining plastic pipe.	13-04-91	65/02, 65/72, 65/74.	40-F; 129-Q.	F.C.
168546 (973/Cal/87)	14-12-87	E.I.DU PONT DE NE-MOURS AND COM-PANY.	An apparatus for malt spinning ploymer.	20-04-91	35/06, 47/00.	34-A; 172-F.	F.C.
168664 (69/Mas/87)	03-02-87	NISSEI ASB MACHINE CO. LTD.	Synthetic-resin hollow container with grip and method of manufacturing the same.	18-05-91	49/06.	136-E- GROUP-XIII.	F.C.
168795 (91/Del/87)	06-02-87	ALLIED CORPORA-TION.	Method of manufacturing molded articles.	03-06-91	43/00.	136-E.	F.C.
168838 (161/Cal/88)	23-02-88	NISSEI JUSHI KOGYO KABUSHIKI KAISHA.	A mold clamping device.	22-06-91	33/20.	136-E.	F.C.
168883 (852/Mas/86)	30-10-86	POROUS PLASTICS LIMITED.	A mould for producing an at least partially sintered product.	06-07-91	67/04.	33-F-GROUP- XXXIII(3).	F.C.
168898 (275/Cal/88)	04-04-88	CINCINNATI MILAC-RON INC.	A process and apparatus for manufacturin g pipes and like cross-sections out of thermo-plastic plastics.	06-07-91	47/00.	136-A+C+E.	F.C.
168939 (160/Cal/88)	23-02-88	NISSEI JUSHI KOGYO KABUSHI KAISHA.	A mold clamping device.	20-07-91	33/20.	136-E.	F.C.
168966 (238/Cal/88)	22-03-88	OLIVER RUBBER COM-PANY.	Method and apparatus for replacing sidewall of tire.	27-07-91	35/02.	205-B.	F.C.
169035 (423/Cal/88)	25-05-88	NAUCHNO-PROIZVOD-STVENNOE OBIEDINE-NIE "PLASTMASSY.	Apparatus for automatic control of metered feed of polymer from a feed unit to an extruder.	24-03-91	47/00.	135-C.	F.C.
169070 (16/Cal/89)	06-01-89	INSTITUT MEKHANI-KI METALLOPOLIMERNY-KM SISTEM AKADEMII NAUK BELORUSSK OI SSR	Extruder head for making anti-corrosive tubular poly-meric film.	31-03-91	47/12	136-E.	F.C.
169077 (93/Cal/90)	01-02-90 ante dated to 21-01-88	PLASTICON PATENTS S.A.	Blow molded plastic contain-er.	31-08-91	45/00.	22, 90-H, B.	F.C.
169118 (1023/Mas/86)	30-12-86	ONO.	A device for distributing ther-moplastic or like material.	07-09-91	51/18.	136-E-GROUP XIII.	F.C.
169186 (17/Del/87)	07-01-87	AR CERBO.	Mould for an injection moul-ding machine for the injection moulding of objects made from thermoplastic material.	14-09-91	45/00, 45/17, 45/26.	136-F.	F.C.
169391 (190/Mas/87)	18-03-87	UPONOR N.V.	A method and an apparatus for the production of ribbed pipes.	12-10-91	45/30.	136-C-GROUP- XIII.	F.C.
169402 (128/Mas/87)	24-02-87	GLASSTECH, INC.	Glass sheet press bending system.	12-10-91	53/04.	90C & J- GROUP- XXXVI.	F.C.

1	2	3	4	5	6	7	8
169447 (234/Bom/88)	14-12-88	HINDUSTAN LEVER LIMITED.	A method of manufacturing a solid bar from liquid or semi-liquid material such as soap, non-soap detergent or mixtures thereof.	19-10-91	43/12.	143-D1+2+3+4-GROUP-XL(5).	I.C.
169563 (374/Mas/87)	20-05-87	MICHELIN & CIE (COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELEN).	A process for producing reinforced tire and a machine thereof.	09-11-91	67/14.	205-F-GROUP LVI.	F.C.
169602 (261/Mas/87)	07-04-87	TROTIGNON JEAN-PEIRRE.	An extruder for extruding a three dimensional cellular wall.	23-11-91	47/00.	136-C-GROUP-XIII.	F.I.
169755 (1037/Cal/89)	15-12-89 ante dated to 04-05-87	GALIC/MAUS VENTURES.	Method and apparatus for molding articles.	21-12-91	33/00.	136-F.	F.C.
B 29 D : Producing particular articles from plastics or from substances in a plastic state.							
167957 (351/Del/87)	22-04-87	CAOUTCHOUC MANUFACTURE ET PLASTIQUES.	A multi-layered composite structure of compact and cellular elastomers for sound and heat insulation purposes.	12-01-91	9/00.	34-B(X).	F.C.
167975 (906/Del/86)	14-10-86	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A process for the preparation of polyester film containing immobilised protein.	19-01-91	7/01.	32-E.	I.C.
168898 (275/Cal/88)	04-04-88	CINCINNATI MILACRON INC.	A process and apparatus for manufacturing pipes and like cross-sections out of thermoplastic plastics.	06-07-91	23/00, 23/22.	136 A+C+E.	F.C.
168966 (238/Cal/88)	22-03-88	OLIVER RUBBER COMPANY.	Method and apparatus for replacing sidewall of tire.	27-07-91	30/52.	205-B.	F.C.
169391 (190/Mas/87)	18-03-87	UPONOR N.V.	A method and an apparatus for the production of ribbed pipes.	12-10-91	23/00.	136-C-GROUP-XIII.	F.C.
169527 (295/Mas/87)	22-04-87	MICHELIN & CIE (COMPAGNIE GENERALE DES ETABLISSEMENTS MICHE-LIN).	A method and an apparatus for the manufacture of a tire having atleast one reinforcement formed from a continuous cord.	02-11-91	30/08.	205-B-GROUP-LVI.	F.C.
169549 (1096/Del/87)	17-12-87	MORTON THIOKOL LIMITED.	A method of manufacturing a polymeric sheeting.	09-11-91	7/01.	32-E.	F.C.
B 30 : PRESSES.							
B 30 B : Presses in general.							
168281 (264/Bom/88)	13-09-88	RIGIMAX MACHINE TOOLS CO. PVT. LTD.	A device for elimination of clearance in the over load protection system and also release of jam in a power press.	02-03-91	15/28.	129-D, E, M, O-XXXV.	I.C.
168568 (734/Cal/89)	22-09-89 ante dated to 02-09-86	VITAMINS, INC.	Apparatus for extracting liquids from solids.	27-04-91	9/02	40-F, 132-C.	F.C.
168659 (647/Cal/88)	02-08-88	BELOIT CORPORATION.	A self-loading controlled deflection press role.	18-05-91	15/00.	145-B, 136-K.	E C

1	2	3	4	5	6	7	8
168737 (130/Cal/88)	18-03-88	NARAYAN CHANDRA ACHARYYA.	Machine and process for pro- duction of domestic fuel.	25-05-91	11/16.	84-C ₁ 136-K, 141-A.	I.I.
169441 (12/Bom/89)	09-01-89	ANAND SHRIPAD WAGH.	Improved sow box of sizing machine.	19-10-91	3/04, 9/20.	155-A.	I.I
169591 (406/Cal/88)	23-05-88	BIOMASS DEVELOP- MENT EUROPE S.A.	Compression heads for ma- chine for continuously densi- fying vegetable matter.	16-11-91		15/00.84-C ₂ .	F.C

B 31 : MAKING PAPER ARTICLES; WORKING PAPER.**B 31 B : Making boxes, cartons, envelopes, or bags.**

169117 (1013/Mas/86)	24-12-86	FMC CORPORATION.	An improved apparatus for making and stacking indivi- dual bags made from a flate- ned thermoplastic tubular web material	07-09-91	37/14.	52-A & 127-I- GROUPS XXIV(1) & LXV(1).	F.C.
169285 (12/Mas/87)	09-01-87	I.T. C. LIMITED.	A blank and a flip-top auto- matic locking carton made therefrom.	21-09-91	7/00.	23-E- GROUP-XL (3)	I.C.
169297 (292/Mas/87)	21-04-87	LINKKNUD PLAST A/S.	Foil bag.	21-09-91	1/84.	129-Q- GROUP- XXXV.	F.C.

B 31 D : Making other paper article

168142 (184/Mas/87)	17-03-87	GORANTLA SUDHAKAR DR. MULLANGI RAVI- DRANATH AND DR. GORANTLA VENKATA CHALAPATHI.	A composite flexible packing Box.	09-02-91	3/00.	23-B- GROUP-XL (3)	I.I.
168254 (85/Cal/88)	01-02-88	MENZOLIT GMBH.	Process and apparatus for producing dimensionally stable semifinished package from fibre reinforced thermo- plastic material.	02-03-91	3/00.	13-A, 40-F.	F.C.
168576 (394/Cal/87)	18-05-87	CHICOPEE.	A method of preparing a nonwoven facing material having improved stain resis- tance.	04-05-91	1/04.	128-A.	F.C.

B 32 : LAYERED PRODUCTS.

**B 32 B : Layered products, i. e. products built-up of
Strata of flat or non-flat, e. g. cellular or
honeycomb form.**

167938 1107/Del/86	16-12-86	CENTRE STEPHANOIS DE RECHERCHES MECA- NIQUES HYDROMECA- NIQUE ET FROTTMENT.	A Process for the preparation of an electrical contact.	12-01-91	15/20.	48-A ₄ & 188	F.C.
168229 (979/Cal/87)	16-12-87	LANXIDE TECHNO- LOGY COMPANY LTD.	Method of making shaped ceramic composites.	23-02-91	18/00.	34-E.	F.C.
168251 (763/Cal/87)	25-09-87	KOYO SANGYO CO. LTD.	Method for the preparation of laminated material and Laminated material obtained thereby.	02-03-91	21/00, 23/00.	155-D	F.C.

1	2	3	4	5	6	7	8
168285 (304/Bom/88)	02-11-88	DATTATREYA DHONDU RAO RANNY.	Metallic tiles cum modular pannels for wall covering, floor topping & panelling.	02-03-91	15/01.	25-A- XXV(1).	I. I.
168348 (980/Del/87)	17-11-87	BHARAT HEAVY ELE- CTRICALS LIMITED.	A process for the manu- facturing of glass fabric laminates having a metallic coating thereon for manufactur- ing magnetic laminate.	16-03-91	17/00.	90.	F.C.
168470 (834/Mas/88)	25-11-88 ante dated to 07-05-85	MICHIOSUDO.	Apparatus for manufacturing a cylindrical multilayer film of synthetic resin.	06-04-91	27/28	32-E- GROUP-IX-(1)	F. I.
168485 (716/Cal/87)	08-09-85	LANXIDE TECHNOLOGY COMPANY, LP.	Method for producing a Ceramic composite body.	13-04-91	18/00.	35-E; 193.	F.C.
168868 (203/Cal/88)	08-03-88	AEG ISOLIER UND- KUNSTSOFF GMBH.	Process for the continuous production of band shaped supporting plates and a double band press for producing said plates.	29-06-91	15/08.	206-E.	F.C.
168903 (05/Cal/88)	01-01-88	LANXIDE TECHNOLOGY COMPANY, LP.	Method for producing a shaped ceramic component.	06-07-91	7/00.	35E & E 136-E.	F.C.
169018 (870/Cal/87)	06-11-87	GENERAL ELECTRIC COMPANY.	A laminated insulating member.	17-08-91	18/00.	145-C.	F.C.
169021 (07/Cal/88)	01-01-88	LANXIDE TECHNOLOGY COMPANY, LP.	Method for producing mold- shaped ceramic bodies.	17-08-91	7/00.	35-D, E; 136-E.	F.C.
169139 (726/Del/88)	23-08-88 ante dated to 16-12-85	BP CHEMICALS LIMITED	A laminate for insulation	07-09-91	7/06, 15/02.	48-C.	F.C.
169262 1060/Del/85)	16-12-85	BP CHEMICAL LIM- TED.	A process for the production of an insulated cable.	21-09-91	7/06, 15/02.	48-C.	F.C.
169301 (71/Mas/87)	03-02-87	OLE-BENDT RASMUSSEN	Method for making a laminate having improved surface smoothness and a laminate made thereby.	28-09-91	27/08.	155-D- GROUP-XXIII.	F.I.
169656 578/Cal/88	11-07-88	HITACHI LTD.	A high-strength sintered com- posite ceramic body.	30-11-91	18/00.	35-E.	F.C.
169768 (1094/Del/86)	12-12-86	PPG INDUSTRIES INC.	Improved pane for a double- glazed window unit possessing low emissivity in the infra- red wave length range and high transmittance in the visible wavelength range of the radiation spectrum and method for the preparation thereof.	21-12-91	17/06.	188& 90-I.	F.C.
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">B 41</div> <div style="text-align: center;">: PRINTING, LINING MACHINES : TYPEWRITERS : STAMPS.</div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">B 41 F</div> <div style="text-align: center;">: Printing machines or presses.</div> </div>							
169256 (930/Del/86)	22-10-86	HANS RAJ TANEJA.	Method for preparing printed grained metallic plate for the use in the offset printing process and the printed plate so prepared.	21-09-91	17/00.	154-D.	I.I.

1	2	3	4	5	6	7	8
169606 (345/Mas/87)	12-05-87	DRG (UK) LIMITED.	A web-fed printing apparatus	23-11-91	7/02.	154-F-	F.C.
169767 (1118/Del/86)	20-08-87	THE PRINTERS HOUSE PRIVATE LTD.	An improved printing machine.	21-12-91	1/00.	15 B & D	I. C.

B 41 L : Apparatus or devices for manifolding, duplicating, or printing for office of other commercial purposes; Addressing machines or like series-printing machines.

168011 (597/Mas/86)	28-07-86	INTERNATIONAL BUSINESS MACHINES CORPORATION.	Assembly of electromagnetic actuators for the hammers of an impact printer arranged side by side and extending along a line.	19-01-91	29/18.	69-D ₁ - GROUP-LIX (1).	F.C.
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B 41 M : Printing, duplicating, making, or copying processes; Colour printing.

168520 (345/Cal/88)	29-04-88	1. LENINGRADSKY TEKHNOLIGI- CHESKY INSTITUT TSELIJULOZINO- BUMAZHNOI. PROMYSHELENNOSTI. 2. LENINGRADSKOE PROIZVODSTVENNOE TEXTILNO-GALAN- TEREINOE OBEDINE- NIE "SEVER".	Method of forming a relief image on a base.	20-04-91	3/06.	154-D	F.C.
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B 43 : WRITING OR DRAWING APPLIANCES, BUREAU ACCESSORIES.

B 43 L : Articles for writing or drawings up., Accessories for writing or drawings.

168819 (329/Bom/89)	28-11-89	LAXMAN RAMJI DIVEKAR DATTA.	A geometrical instrument.	15-06-91	13/00.	146-B- (2).	XXXVIII I.I.
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B 44 : DECORATIVE ARTS

B 44 F : Special designs or Picture.

167923 (429/Cal/87)	01-06-87	LANXIDE TECHNO- LOGY COMPANY, LP.	Method of making ceramic composite articles with shape replicated surfaces.	12-01-91	11/05.	35-G.	F.C.
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B 60 : VEHICLES IN GENERAL

B 60 C : Vehicle tyres; Tyre inflation; Tyre changing or repairing; Repairing, or connecting valves to, inflatable elastic bodies in general; Devices or arrangements related to tyres.

168742 (809/Mas/86)	14-10-86	MICHELIN RECHER- CHE ET TECHNIQUE S.A.	Pneumatic tyre the car case of which is formed of a re-generated cellulose fiber.	01-06-91	9/02.	205-F-Group- LVI.	F.C.
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B 60 D : Vehicle connections-

168626 (980/Cal/87)	16-12-87	MCCONWAY & TORLEY CORPORATION.	A coupler yoke.	11-05-91	1/00.	158-C ₁ .	F.C.
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1	2	3	4	5	6	7	8
B 60 G : Vehicle suspension arrangements.							
168041 (576/Del/86)	01-07-86	GKN TECHNOLOGY LIMITED.	Suspension system for use in a vehicle.	26-01-91	11/00, 13/00.	174-D.	F.C.
168193 (391/Del/87)	05-05-87	GKN TECHNOLOGY LIMITED.	A suspension system for use in vehicles.	16-02-91	11/00., 11/14.	134-C-LII(I).	F.C.
B 60 J : Windows, windscreens, non-fined roofs, doors, or similar devices for vehicles, Protective coverings for vehicles not in use.							
168272 (755/Cal/86)	16-10-86	WESTINGHOUSE ELECTRIC CORPORATION.	Windshield insertion system for a vehicle on moving conveyor apparatus.	02-03-91	1/00.	160-C.	F.C.
B 60 K : Arrangements or mounting of propulsion units or of transmissions in vehicles; Auxiliary drives, Instrumentations or dashboards for vehicles; Conjoint control of drive units, Arrangements in connection with coding, air intake, gas exhaust, or fuel supply, of propulsion units, in vehicles.							
168225 (475/Cal/87)	18-06-87	KIA MOTORS CORPORATION.	Power take-off mechanism.	23-02-91	25/06.	127-A. F.	F.C.
168542 (914/Cal/87)	23-11-87	EATON CORPORATION.	Fluid actuated shift bar housing assembly.	20-04-91	20/14.	163-C.	F.C.
168616 (255/Del/87)	21-06-88	RAKESH SACHDEV & MUKESH SACHDEV.	Gear position indicator for vehicles.	04-05-91	20/00, 17/00.	134-A.	F.I.
169436 (257/Cal/87)	31-03-87	EATON CORPORATION.	A control system for controlling a vehicle automatic transmission system.	19-10-91	41/00.	134-D.	F.C.
169457 (146/Cal/88)	17-02-88	EATON CORPORATION.	Pressurized fluid operated shift bar housing assembly for a change gear transmission.	19-10-91	20/00.	102-B, 127-D, & G1.	F.C.
169573 (366/Cal/88)	05-05-88	EATON CORPORATION.	Semi-automatic mechanical transmission control display and fault indicator.	16-11-91	31/00.	134-B.	F.C.
169765 (954/Del/86)	28-10-86	THE SECRETARY OF STATE FOR DEFENCE IN HER BRITANNIC MAJESTY'S GOVERNMENT OF THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND.	A tracked vehicle particularly for use on uneven terrain.	21-12-91	17/00, 17/30, 17/358.	160-A.	F.C.
169783 (538/Mas/87)	23-07-87	HONDA GIKEN KOGYO KABUSHIKI KAISHA.	A motor cycle.	21-12-91	15/02.	160-C-Group-LII(3). 53-E-group-LII(5).	F.C.
B 60 L : Electric equipment or propulsion of electrically propelled vehicles, Magnetic suspension or levitation for vehicles, Electrodynamical brake system for vehicles, in general.							
168305 (89/Del/87)	04-02-87	ALSTHOM.	A device for ventilating at least one of a fluid radiator unit and a starting and braking rheostat unit located proximate to the roof of an electrically powered unit.	09-03-91	7/02.	158-D-LVII (2).	F.C.

1	2	3	4	5	6	7	8
B 60 P : Vehicles adapted and load transportation or to transport, to carry, or to comprise loads or objects.							
167991 (524/Del/85)	01-01-86	NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS.	A bulk container for transportation of goods.	19-01-91	1/00.	160-A, & 116-G.	I.C.
168052 (820/Del/86)	21-03-88	NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS.	A bulk supply means for supply of cement.	26-01-91	1/42, 1/56.	16-G.	I.C.
168215 (617/Cal/87)	07-08-87	PAUL LEGUEU.	All-wheel drive off-highway vehicle.	23-02-91	1/00, 9/00.	14-B.	F.I.
168425 (926/Mas/86)	01-12-86	CATERPILLAR INC.	A system for measuring and indicating the weight of a payload carried by a work vehicle.	30-03-91	1/24.	116-G & 206E-Group-XLIX, LXII.	F.C.
169133 (681/Del/87)	03-08-87	JEFFERSON APPROT-RAAC COMPANY PTY. LIMITED.	Vehicle suitable for use in rough terrain.	07-09-91	3/00.	160-C.	F.C.
169201 (58/Mas/87)	29-01-87	FMC CORPORATION.	Air craft loader.	14-02-91	1/02.	4-A4; 116G-Groups-LIII(1); LXIX.	F.C.
B 60 Q : Vehicle lighting or signalling.							
167966 (49/Bom/89)	28-02-89	MRS. SHAMAL JAI-SHANKAR NIRODY.	A warning device to be fixed on the dash board of automobile.	12-01-91	7/00.	67C-LI(2), 168-CB-LI(4), 206E-LXII.	I.I.
168782 (59/Bom/88)	15-05-89	BAJAJ AUTO LTD.	Improved lamp circuit for motor scooters motor cycles and three wheeler motor vehicles.	08-06-91	1/02.	113-I.	I.C.
169170 (226/Mas/87)	14-12-87	E. G. CHARLES.	Gear dynamo lights for bullock carts.	07-02-91	1/04.	160-A-Group-LII(3).	I.I.
B 60 B : Vehicles, vehicle fittings, or vehicle parts, not otherwise provided for.							
169134 (715/Del/87)	18-08-87	PIAGGIO & S.P.A.	Two-wheeler equipped with a device for locking an object onto the structure thereof.	07-02-91	27/00.	160-A.	F.C.
169241 (14/Bom/88)	25-01-88	BAJAJ AUTO LTD.	Side bumpers for two wheeler motor vehicles.	14-09-91	19/42.	160-C-LII(3).	I.C.
169309 (236/Mas/87)	01-04-87	HONDA GIKEN KOGYO KABUSHIKI KAISHA.	Storage device on motorcycle.	28-09-91	7/04.	134-A-Group-LII(1).	F.C.
169783 (538/Mas/87)	28-07-87	HONDA GIKEN KOGYO KABUSHIKI KAISHA.	A motor cycle.	21-12-91	9/00.	160-C-Group-LII(3).	F.C.
169786 (504/Mas/87)	15-07-87	LINCOLN GMBH.	A time control device for a central lubrication system of a powerless vehicle.	21-12-91	17/02.	67C & 29E-Groups-LI(2) & XLI(2).	F.C.
B 60 T : Vehicle brake control systems or parts thereof; Brake control systems, or parts thereof, in general.							
168106 (861/Del/86)	30-09-86	BENDIX FRANCE.	Braking assistance vacuum servomotor.	02-02-91	11/06, 11/12.	24-D ₁ (LV).	F.C.

1	2	3	4	5	6	7	8
168477 (687/Mas/86)	28-08-86	LUCAS INDUSTRIES PUBLIC LIMITED COMPANY.	Improvements relating to wheel incorporating a brake disc.	13-04-91	1/05.	24-D ₄ , F- Group-LV.	F.C.
168509 (122/Cal/88)	11-02-88	LABAVIA S.G.E.	Improvements to electric retarders for vehicles.	13-04-91	10/00.	160-C.	F.C.
168859 (964/Mas/86)	11-12-86	ALLIED CORPORA- TION.	Fluid pressure braking system.	29-06-91	17/00.	24-D ₄ -Group- LV.	F.C.
169105 (992/Mas/86)	18-12-86	ALLIED CORPORA- TION.	Dual circuit brake valve.	07-09-91	15/02.	24-Group- LVIII(4).	F.C.
169158 (145/Mas/87)	03-03-87	LUCAS INDUSTRIES PUBLIC LIMITED COMPANY.	A wedge and roller brake actuator.	07-09-91	11/00.	24-E, F- Group-LV.	F.C.
169216 (114/Mas/87)	20-02-87	LUCAS INDUSTRIES PUBLIC LIMITED COMPANY.	A method of making a master cylinder for vehicle brake system and a master cylinder made thereby.	14-09-91	11/22.	24-D ₁ -Group- LV.	F.C.
169289 (290/Mas/87)	20-04-87	AMERICAN STANDARD INC.	A control valve device for use on each car of a railway train having a brake pipe interconnected to the adjoin- ing car.	21-09-91	15/00.	24-D ₂ & F & 158-D-Group- XL(3).	F.C.
169490 (360/Mas/87)	18-08-88	BRAKES INDIA LIMITED.	Hose end for hydraulic brake system.	26-10-91	17/04.	150-C-Group- XLVIII(1).	I.C.
169615 (483/Cal/88)	14-06-88	KELSEY-HAYES COMPANY.	A brake control system in a wheeled vehicle.	23-11-91	8/70.	24-D ₄ .	F.C.
169628 (582/Mas/87)	13-08-87	LUCAS INDUSTRIES PUBLIC LIMITED COMPANY.	A brake pressure booster and master cylinder assembly.	23-11-91	11/16.	24-D-Group- LV.	F.C.
169643 (1030/Del/86)	26-11-86	LUCAS INDUSTRIES PUBLIC LIMITED COMPANY.	Brake actuator.	30-11-91	7/12, 8/00.	24-EFLV- 134-XLII(1).	F.C.

B 61 : RAILWAYS**B 61 B : Railway systems; Equipment therefor not otherwise provided for.**

169036 (488/Cal/88)	15-06-88	DR. ANIL KRISHNA KAR.	Improved fibre reinforced cement concrete railway sleepers.	24-08-91	1/00.	157-D ₆ .	I.I.
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B 61 C : Locomotives; Motor railcars.

169439 (592/Cal/87)	31-07-87	B.V. OPTISCHE INDUS- TRIE 'DE OUDE DELFT	A combination for holding an object in position on the outer periphery of a body.	12-10-91	17/00.	160-B ₂ .	F.C.
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B 61 D : Body details or kinds of railway vehicles

169388 (549/Cal/88)	04-07-88	FERRAZ.	Reverse current device for railway vehicles.	05-10-91	49/00.	159-F.	F.C.
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1	2	3	4	5	6	7	8
B 61 F : Rail vehicle suspensions. e.g. underframes, bogies, arrangements of wheel axles; Rail vehicles for use on tracks of different width; Preventing derailing; Wheel guards; Obstruction removers or the like.							
167908 (701/Mas/86)	01-09-86	GENERAL MOTORS CORPORATION.	Self-steering railway truck.	05-01-91	5/52.	158-A, 158-E ₄ , Group-LII(2).	F.C.
167971 (534/Del/85)	08-07-85	URBAN TRANSPORTATION DEVELOPMENT CORPORATION LTD.	Truck for rail vehicle.	19-01-91	5/04.	158-E ₂ -LII(2).	F.C.
168014 (691/Mas/86)	28-08-86	AMSTED INDUSTRIES INCORPORATED.	A railway truck with longitudinally spaced wheelsets.	13-01-91	5/30, 5/52.	158-E ₂ & 4 Group-LII(2).	F.C.
168538 (309/Del/88)	12-04-88 ante dated to 08-0-85	URBAN TRANSPORTATION DEVELOPMENT CORPORATION LTD.	Stabilizer kit for use in a truck for rail vehicle.	20-04-91	5/24, 5/44.	158-E ₂ -LII(2).	F.C.
168830 (383/Cal/88)	13-05-88	KUMAR KRISHNA ROHATGI.	A led (Light emitting diode) indicator.	15-06-91	5/18.	159.	I.I.
B 61 H : Brakes or other retarding apparatus peculiar to rail vehicles; Arrangements or dispositions of brakes or other retarding apparatus in rail vehicles							
167896 (1020/Del/86)	24-11-86	SAB NIFE AB.	A spring brake actuator for a rail vehicle brake unit.	05-01-91	13/00.	24E(LV).	F.C.
168395 (218/Del/87)	12-03-87	LUCAS INDUSTRIES PUBLIC LIMITED COMPANY.	A disc brake for a vehicle.	23-03-91	5/00.	24A(LV).	F.C.
169289 (290/Mas/87)	20-04-87	AMERICAN STANDARD INC.	A control valve device for use on each car of a railway train having a brake pipe inter-connected to the brake pipe of the adjoining car.	21-09-91	13/34.	24D ₂ & F & 158-D-Group- XL(3) & LII.	F.C.
169586 (753/Del/87)	25-08-87	SAB NIFE AB.	A braking device for discontinuing and automatically restoring operational function of a spring brake actuator.	16-11-91	13/00.	158-D & 24-D ₄ .	F.C.
B 61 J : Shifting or shunting of rail vehicles.							
168833 (90/Cal/87)	29-01-87	ROSTOVSKY INSTITUT INZHENEROV ZHELEZ-NODOROZHNOGO TRANS POTNA.	A device for speed control of of railway transport vehicles.	22-05-91	3/00.	24-F & 158-D.	F.C.
B 61 K : Other auxiliary equipment for railways.							
167931 (1043/Del/85)	10-12-85	MINER ENTERPRISES, INC.	Draftgear for railroad car coupler system.	12-01-91	7/08.	158-C.	F.C.
B 61 L Guiding railways traffic, Ensuring the safety of railways-traffic							
168026 (1004/Del/86)	18-11-86	RA NOVA INC.	Apparatus for replacing old railway panels.	26-10-91	5/00.	157-A4(1).	F.C.
169345 (237/Mas/87)	01-04-87	UNION SWITCH & SIGNAL INC.	A vital switch controller for controlling the movement of a railroad switch machine.	28-09-91	17/00.	157-A ₂ GROUP-L.	F.C.

1	2	3	4	5	6	7	8
			B	62	: LAND VEHICLES FOR TRAVELLING OTHERWISE THAN ON RAILS.		
			B	62	B : Hand-propelled vehicles, e. g. hand carts, perambulators : Sledges.		
169255 (831/Del/86)	19-09-86	PIERRE DONZE AND JEAN-PIERRE FRANK.	Wheel barrow.	21-09-91	1/18.	116-G.	F.I.
			B	62	C : Vehicles drawn by animals.		
169170 (226/Mas/87)	14-12-87	E. G. CHARLES.	Gear dynamo lights for bullock carts.	07-09-91	1/00.	160-A- GROUP-LII(3).	I.I.
			B	62	D : Motor Vehicles : Trailers.		
167894 (940/Del/86)	28-10-86	THE SECRETARY OF STATE FOR DEFENCE IN HER BRITANNIC MAJESTY'S GOVERN- MENT OF THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND.	Tracked vehicle having obstacle surmounting aid.	05-01-91	55/075, 55/26, 37/04.	134-AC, 158-D, 160-A.	F.C.
167966 (49/Bom/89)	28-02-89	MRS. SHAMAL JAI- SHANKAR NIRODY.	A warning device to be fixed on the dash board of automobile.	12-01-91	24/14.	67-C-LI(2). 168CB-L(4). 206E-LXII.	I.I.
168355 (830/Mas/86)	22-10-86	ALTRACK Limited	An endless track for tracked vehicles.	16-03-91	55/24.	118-B6 & 160-C- GROUPS-KLV (2) & LII (3).	F.C.
169329 (362/Mas/87)	18-05-87	CATERPILLAR INC.	A track shoe for an endless assembly.	02-11-91	55/08.	160-A- GROUP-LII(3).	F.C.
			B	62	J : Cycle paddles or seats: Accessories peculiar to cycles and not otherwise provided for. e. g. article carriers. cycle protectors		
168588 (799/Mas/86)	09-10-86	ROGER ARNESON.	An electricity generator for bi-cycle.	04-05-91	6/00.	53-A- GROUP- LII (5)	F.I.
168782 (59/Bom/88)	15-05-89	BAJAJ AUTO LTD.	Improved lampcircuit for motor scooters motor cycles and three-wheeler motor vehicles.	08-06-91	6/00.	113-I.	I.C.
			B	62	K : Cycles. Cycle frames. cycle steering devices. Rider-operated terminal controls specially adapted for cycles. cycle axle suspensions. Cycle sidecars. force-cars or the like-		
168118 (698/Cal/87)	03-09-17	SEVEN HELLESTAM, OTTO LINANDER.	Bycycle with a collapsible frame.	09-02-91	15/00.	53-E.	F.I.
168232 (10/Cal/88)	16-06-88	UPENDRA KUMAR DAS	Bycycle fitted with fly wheels	23-02-91	17/00.	53-C, E.	I. I.
169063 (729/Cal/88)	31-08-88	ABHIJIT BHATTA- CHARYA	A coupling assembly and a bicycle trailer assembly having the said coupling assembly.	31-08-91	3/00, 19/00, 27/00.	53-A; E.	I. I.

1	2	3	4	5	6	7	8
		B	62	L : Brakes specially adapted for cycles			
168423 (810/Mas/86)	11-11-86R	MASATARO SATO.	Brake system for bicycle.	30-03-91	3/08.	53-B- Group L II (5)	F.I.
		B	63	: SHIPS OR OTHER WATERBORNE VESSELS; RELATED EQUIPMENT-			
		B	63	B : Ships or other waterborne vessels, Equipment for shipping-			
167998 (115/Del/87)	12-02-87	HOWARD EDWARD LEVINE.	A combination two-section boat and portable cargo carrier.	09-01-91	9/00.	166-A.	F.I.
168066 (866/Del/86)	30-09-86	ROB VAN DEN HAAK.	A device for levering and turning anchor.	26-01-91	21/22, 166-B, 21/24, 21/32, 21/34, 21/48.		F.I.
168987 (794/Cal/87)	11-10-88	ALLADA KRUPAKARA RAO.	An anti-roll device for use in stabilizing small water borne vehicles.	03-03-91	39/00.	166-A.	I.I.
		B	63	C : Launching, Hauling-out, or dry-docking of vessels: Life-saving in water, Equip- ment for dwelling or working under water, Means for salvaging or searching for under water objects.			
168218 (994/Cal/87)	22-12-87	RAUMA-REPOLA OY.	Device for collecting objects from the seabed.	23-02-91	11/00.	116-G.	F.C.
		B	64	: AIRCRAFT, AVIATION : COSMONAUTICS-			
		B	64	C : Aeroplanes: Helicopters.			
168053 (1015/Del/86)	20-11-86	DORNIER GMBH.	Helicopter-tyre aircraft.	26-01-91	27/57.	4-A ₄ LI(1).	F.C.
168540 (434/Del/88)	17-05-88 ante dated to 12-03-84	SOCIETE NATIONALE INDUSTRIELLE AERO- SPATIALE.	Blade for a multi blade pro- peller in particular the pro- peller of a tail rotor of a rotor- craft and process for manu- facturing said blade.	20-04-91	11/16.	4-A ₇ -LIII(1).	F.C.
169631 (570/Cal/88)	27-06-88	AEROSPATIALE SOCIE- TE NATIONALE IN- DUSTRIELLE S.A. AND ETABLISSEMENT PUB- LIC DE L'ETAT DIT.	A blade with curved end for a rotary airfoil of an aircraft.	23-11-91	11/00, 27/46.	4-A ₄ & A ₀ .	F.C.
169764 (1011/Del/86)	20-11-86	DORNIER GMBH.	Circulation control for rotor system for helicopter type aircraft.	21-12-91	27/57.	4-A ₂ .	F.C.
		B	64	D : Equipment for fitting in or to aircraft, Flying suits, Parachutes, Arrangements or mounting of Power plants or propulsion transmission.			
168109 (1078/Del/86)	09-12-86	ERNO RAUMFAHRTE- CHNIK GMBH.	Fuel collecting container for use in conjunction with a sur- face tension fuel tank for a space vehicle.	02-02-91	37/02.	85-F.	F. C.

	2	3	4	5	6	7	8
169204 (73/Mas/87)	04-02-87	RUDIGER STEFFEN.	An apparatus for preventing bird collisions with aircraft during the take-off and landing phases of the aircraft and during flight.	14-09-91	47/00, 47/02.	4-A4-GROUP LIII(f).	F.I.
169796 (400/Mas/87)	01-06-87	NORMALAIR-GARRETT (HOLDINGS) LIMITED.	Air cycle cooling system.	21-12-91	13/00.	62, B2 & 102D--GROU- PS XLVII(1), XXIX(1).	F.C.
B 64 F : Ground or aircraft-carrier-deck installations.							
169201 (58/Mas/87)	29-01-87	FMC CORPORATION.	Aircraft loader.	14-09-91	1/32.	4-A4; 116G, GROUPS- LIII(1), XLIX.	F.C.
B 65 : CONVEYING, PACKING, STORING, HANDLING THAN OR FILAMENTARY MATERIAL.							
B 65 B : Machines, apparatus or devices for, or methods of, packaging articles or materials : Unpacking-							
167942 (21/Cal/8f)	10-01-89	GUR CHARAN SAINI.	Compressible tea brewing device.	12-01-91	29/04	80-I.	I.I.
168114 (601/Cal/87)	03-08-87	WESTINGHOUSE ELEC- TRIC CORPORATION.	A lid for a susceptor in which a crystalline material is melted.	09-02-91	7/28.	99-D; 179-F.	F.C.
168160 (873/Cal/87)	06-11-87	UNIVERSAL SYMETRICS CORPORATION.	Multiple container package.	09-02-91	17/02.	99-E, 143-D1, D4.	F.C.
168896 (14/Cal/88)	06-01-88	SURGIKOS INC.	A process for plasma sterilisation using hydrogen peroxide.	06-07-91	55/02, 55-/10.	55-3, 2.	F.C.
169159 (427/Mas/87)	09-06-87	PACKAGING AUTOMA- TION MACHINERY CO. LTD.	An apparatus for fusing a gathered throat portion of a plastic bag.	07-09-91	51/00, 51/10, 7/00, 7/02.	13-A & 179-A -GROUPS- XL(1) & XL(6).	F.C.
169183 (138/Mas/87)	27-02-87	SOCIETE DES PRODUI- TS NESTLE S.A.	An apparatus for monitoring the tightness of packs disposed in a system.	14-09-91	57/00.	143- 44- GROUP- XL(5).	F.C.
169447 (334/Bom/88)	14-12-88	HINDUSTAN LEVER LIMITED.	A method of manufacturing a solid bar from liquid or semi-liquid material such as soap, non-soap detergent or mixtures thereof.	19-10-91	9/12.	143-D1+2 +3+4-GR. XL(5).	I.C.
169488 (633/Mas/87)	01-09-17	AB AKERLUND & RAUSING.	A closure device for a packaging container.	26-10-91	7/28.	179-A- GROUP-XL(6).	F.C.
B 65 D : Container for storage or transport of articles or materials, e.g. bags, barrels, bottles, boxes, cans, cartons, crates, drums, jars, tanks, hoppers, forwarding containers, Accessories closures, or fittings therefor, Packaging elements: Packages.							
167884 (731/Mas/86)	12-09-86	METAL BOX P.L.C.	Method of making metal cans with plastics closures.	05-01-91	43/00.	179E, F- GROUP-XL(6).	F.C.
167991 (524/Del/85)	01-01-86	NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS	A bulk container for transportations of goods.	19-01-91	90/00, 88/00.	160-A & 116--G.	I.C.
168220 (409/Cal/88)	23-05-88	MITSUMI TOATSU CHE- MICALS, INCORPORA- TED.	Container for fresh fish pack- age.	23-02-91	85/50.	83-B6.	F.C.

1	2	3	4	5	6	7	8
168228 (751/Cal/87)	22-09-17	UNIVERSAL SYMETRICS CORPORATION.	Bottle containers meteable with each other.	23-02-91	1/14.	22.	F.C
168241 (985/Cal/87)	17-12-17	THE MEAD CORPORATION	Panel interlocking arrangement.	23-02-91	5/00.	27-1.	F.C.
168283 (256/Bom/88)	19-09-88	RAM MENON.	A re-usable display-cum-carry pack carton for garments such as shirts and the like.	02-03-91	85/18.	238+H-XL(3), 13 D-XL(1).	I.J.
168313 (895/Cal/85)	11-12-85	DAYA RANJIT SENANAYAKE.	A package having increased load bearing capacity and a process for its making.	09-03-91	1/00, 5/00, 13/00.	23H & B, 99E & B, 143-DI.	F.I.
168404 (333/Bom/88)	08-12-88	YUNUSALI MIYA BHAI LALA. ABBASALI MIYA-BHAI LALA AND ZAINULABEDIN MIYA-BHAI LALA. AND PARTNERS OF STANDARD TIN WORKS.	Refillable tin container.	30-03-91	7/72, 39/00.	179-E, G-XL(6).	I.I. I.C.
168570 (72/Cal/90)	29-01-90 ante dated to 06-11-87	UNIVERSAL SYSMETRICS CORPORATION.	A container for use in a multiple container package.	27-04-91	21/00.	99-E.	F.C.
168598 (861/Mas/88)	01-12-88 ante dated to 13-05-85	CMB PACKAGING (UK) LIMITED.	A process of making a sealed container.	04-05-91	53/00.	99-E & 179-A-GROUPS-XL(4) & XL(6).	F.C.
168667 (651/Mas/87)	08-09-87	NUFFIELD NURSING HOMES TRUST.	A device for enabling the safe disposal of contaminated used disposable blades, needles and other sharps.	18-05-91	88/10.	23-H-GROUP XL(3).	F.C.
168861 (864/Cal/86)	28-11-86	1. AMERICAN CAN PACKAGING INC. 2. KENDALI MCGAW LABORATORIES, INC.	Multiple layer packaging films and packages formed thereof.	29-06-91	75/00.	143-D3.	F.C.
168888 (1021/Mas/86)	30-12-86	1. LAMEPLAST DI GIOVANNI FERRARI & C.S.N.C. 2. SCLAVO S.P.A.	Plastic container for the controlled delivery of powders and of liquids as drops.	05-07-91	83/14.	22-GROUP-XL(2).	F.C.
168908 (958/Cal/88)	18-11-88	KONINKLIJKE EMBALLAGE INDUSTRIE VAN LEER B.V.	Drum with sealed folded seam.	05-07-91	1/00.	99-B.	F.C.
168919 (165/Cal/89)	27-02-89 ante dated to 05-05-86	ALFA-LAVAL FOOD & DIAABRY ENGINEERING	An apparatus for aseptic filling of a closable bag of flexible material.	13-07-91	30/00.	13-A, 128G.	F.C.
168965 (121/Cal/88)	11-02-88	CARL EDELMANN VERPACK-UNGSTECHNIK GMBH AND THE COCA-COLA COMPANY	Transport and storage container for concentrates of beverages or the like.	27-07-91	88/00, 88/56.	179-G.	F.C.
168974 (325/Cal/87)	23-04-87	IBEROAMERICANA DEL EMBALAJE S.A.	Stackable tray.	03-08-91	21/00.	13-C.	F.C.
169138 (943/Del/87)	28-10-87	VIVEK MULL AND SHREE KRISHNA KESHAV LABORATORIES LTD.	A sealing closure or cap for a bottle and a bottle with said closure or cap.	07-09-91	41/50.	179-G.	I.I. I.C.

1	2	3	4	5	6	7	8
169164 (17/Mas/87)	13-01-87	DANBY DEVELOPMENTS INC.	A vacuum insulated container.	07-09-91	90/06.	50-A-GROUP VII(1).	F.C.
169190 (1093/Del/87)	17-12-87	SAMSONITE CORPORATION	A flexible garment bag.	14-09-91	30/00.	13-A.	F.C.
169510 (796/Del/87)	10-09-87	SANFORD REDOND.	Dispensing package for flowable products.	26-10-91	47/22, 47/36.	179-B.	F.I.
169672 (611/Cal/88)	21-07-88	ROSBY CORPORATION.	A wide-body shipping container adapted for engagement with standard width container supports.	30-11-91	90/00, 90/12.	179-G.	F.C.
169673 (625/Cal/88)	28-07-88	SOTRAI ENTA S.A.	Process and apparatus for the manufacture of bung-barrels thereby produced.	30-11-91	8/22.	99-C.	F.C.
169701 (497/Mas/87)	14-07-87	MAUSER-WERKE GMBH.	Bung barrel.	14-12-91	88/06.	99-C-GROUP XL(4).	F.C.
169842 (719/Mas/87)	06-10-87	GALLAHER LIMITED.	A container for a compressed block of tobacco.	28-12-91	1/22.	23-B & H-GROUP-XL(3).	F.C.
B 65 F : Gathering or removal of domestic or like refuse.							
168660 (648/Cal/88)	02-08-88	SCHORLING GMBH & CO.	Refuse-collecting vehicle.	18-05-91	3/00, 7/00.	116-D, G.	F.C.
B 65 G : Transport or storage devices. e.g. conveyers for loading or tipping; Shop conveyer systems; Pneumatic tube converters.							
167912 (922/Del/85)	04-11-85	GUY GAUDGRIN.	An improved conveyor belt filter having a friction reducing buffer means.	05-01-91	37/00.	116-C; 80-K.	F.I.
167949 (435/Cal/88)	19-06-89	MESSRS MINING & ALLIED MACHINERY CORPORATION LIMITED.	Improvements in or relating to idlers or idle rollers for use in conveyors.	12-01-91	39/00.	15-E; 116-C.	I.C.
168071 (611/Mas/86)	30-07-86	CONTINENTAL GUM-IWERKE AKTIENGESSELLSCHAFT.	A tubular belt conveyor system.	02-02-91	15/08.	116-C, 116-G, GROUP-XLIX.	F.C.
168156 (658/Cal/87)	20-08-87	FRANZ PLASSER BAHNBAUMASCHINEN INDUSTRIEGESELLSCHAFT M.B.H.	A travelling on track bulk material loading wagon with adjustable unloading chutes.	09-02-91	67/00.	116-B.	F.C.
168178 (528/Cal/87)	08-11-88	VANAGALA PATTABHI	An apparatus for use in unloading of materials from railway or similar carriers.	16-02-91	65/00.	71-E.	I.I.
168187 (290/Bom/88)	14-10-88	KAMALENDU MUKHERJEE.	An advanced reciprocating conveyor system for propelling solid fuel/materials to furnace and the like plant.	16-02-91	25/08.	85-F-2XXXXI, 116-G-XLIX.	I.I.
168366 (816/Mas/86)	15-10-86	CONTINENTAL GUM-IWERKE AKTIENGESSELLSCHAFT.	Belt conveyor system.	23-03-91	15/08.	116-C-GROUP XLIX.	F.C.
168384 (759/Cal/87)	24-09-87	MOSKOVSKY GORNY INSTITUT.	Power drive of the working element of an industrial machines such as mining machines, material handling machines, earth making machine and rolling mill machines.	23-03-91	23/00.	127-I.	F.C.

1	2	3	4	5	6	7	8
169270 (1067/Del/86)	04-12-86	GORO S.A.	A portable apparatus for fastening on an end of a conveyer belt a row of stirrup-links provided with fastening staples.	21-09-91	15/00.	116-C.	F.C.
169321 (180/Mas/87)	13-03-87	FIRMA THEODOR HYMEN.	An apparatus for applying surface pressure to advancing work-pieces	28-09-91	19/18.	136-E, L.- GROUP-XIII.	F.C.
169486 (314/Mas/87)	01-05-87	FIVES-CAIL BAB-COCK.	Machine for unloading vessels.	26-10-91	67/60	116-G- GROUP-XLIX.	F.C.
169624 (472/Mas/87)	01-07-87	CONTINENTAL GUMMI-WERKE AKTIENGESSELLSCHAFT.	A tubular belt conveyer.	23-11-91	39/02.	166-C- GROUP-XLIX.	F.C.
169652 (563/Cal/88)	06-07-88	METALLGESELLSCHAFT AKTIENGESSELLSCHAFT.	Apparatus for delivering bulk material onto a movable support.	31-11-91	49/00.	116-C.	F.C.
169671 (594/Cal/88)	15-07-88	SCHMIDT- CLEMENS GMBH + CO.	Roller for material to be transported.	30-11-91	39/00.	129-J; 188.	F.C.
169692 (705/Cal/88)	23-08-88	SHIDA PADA BHATTACHARJEE & SMT. PARMITA BHATTACHARJEE.	A device for pressure scaling in the feed in and taking out openings or unfired pressure vessel for treatment of acrylic fibre two band.	07-12-91	51/00. 53/00.	172-E & F. 181; 179-G.	I. I.
B 65 II : Handling thin or filamentary material. e. g. sheets, webs, cables.							
167890 (913/Mas/86)	27-11-86	MASCHINENFABRIK RIETER AG.	Device for winding up a thread to a package on rotatable conical bobbin tube.	05-01-91	54/02.	172-A- XX.	F.C.
168363 (737/Mas/86)	18-09-86	PREFORMED LINE PRODUCT COMPANY.	An organizing tray assembly for storing optical fibre splices.	23-03-91	75/34.	48-B- GROUP-LVIII (3).	F.C.
168468 (895/Mas/86)	19-11-86	MASCHINENFABRIK RIETER AG.	A yarn take-up for winding yarn into a package.	06-04-91	74/02.	172-E- GROUP-X	F.C.
168480 (796/Mas/86)	08-10-86	PALITEX PROLECT COMPANY GBMIL.	A bobbin holder.	13-04-91	67/04.	172-A- GROUP-XX.	F.C.
168945 (853/Mas/87)	02-11-87	KATAOKA MACHINE CO. LTD.	Web dividing and rewinding machines.	20-07-91	54/00. 57/00.	172-A- E, E. F.	F.C.
169007 (487/Cal/87)	22-06-87	E. I. DU POINT DENEMOURS AND COMPANY	Apparatus for continuously drawing a web of material and a process for continuously drawing a web of material using said apparatus.	10-08-91	23/185.	203.	FC
169417 (691/Mas/87)	23-09-87	MACHINENFABRIK-RIETER AG.	A Chuck for a winding machine.	12-10-91	54/54	172-E GROUP-XX.	F.C.
169505 (915/Del/86)	15-10-86	EASTMAN KODAK COMPANY.	Apparatus for cutting continuous strand.	26-10-91	19/26, 54/71.	52-A- XXXIV (1).	F. C
169642 (1021/Del/86)	24-11-86	F.I.C.I. FINANZIA-RIA INDUSTRIALE COMMERCIAL IMMOBILIARE S.R.A.	Machine for slitting continuous tapes into strips, in particular in cutting cylinder having variable size.	30-11-91	35/00, 35/08.	52-B.	F.C.

1	2	3	4	5	6	7	8
169692 (705/Cal/88)	23-08-88	SHIBA PGDA BHATTA- CHARJEE & SMT. OARMITA BHATTA- CHARJEE.	A device for pressure seal- ing in the feed in and taking out openings or unfired pressure vessel for treat- ment of acrylic fibre two band.	7-12-91	5/00 7/00.	172-E. & F. 181, 179-G.	I.I.
B 66 : HOISTING, LIFTING, HAULING.							
B 66 B : Elevators ; Escalators or moving walkways.							
168164 (141/Del/87)	17-02-87	OTIS ELEVATOR COMPANY.	Modula gearless elevator drive assembly.	16-02-91	17/00, 23/00, 23/02.	116-F.	F.C.
168430 (939/Mas/87)	29-12-87	INVENTIO AG.	Device for the input of travel commands for a Lift.	30-03-91	1/00, 5/00.	116-F- GROUP-XLIX.	F.C.
168466 (734/Mas/86)	16-09-86	ELEVATOR GMBH.	A computer controlled lift installation having a system for entering installation specific information.	05-04-91	1/66.	116-F- GROUP-XLIX.	F.C.
169149 (854/Del/87)	22-09-87	ESCO CORPORATION.	Wear runner for excavating bucket and an excavating bucket having at least one such wear runner.	07-09-91	23/08.	71-D.	F.C.
169365 (227/Mas/87)	30-03-87	KONE ELEVATOR GMBH.	Catch device for a lift cage or counter weight.	05-10-91	13/20.	116-F- GROUP-XLIX.	F.C.
169733 (287/Cal/88)	07-04-88	SHRI GOBIND SANWA- RIA.	A device for smooth move- ment of lift cages in coal mine shafts.	14-12-91	17/28.	116-G.	I. I.
B 66 C : Cranes; Load-engaging elements or devices for cranes, capstans, winches or tackles.							
168219 (997/Cal/87)	23-12-87	MACNEILL & MAGOR LIMITED.	A higher capacity fork lift truck.	23-02-91	1/00. 1/22.	116-G.	I.C.
B 66 D : Capstans; Winches; Tackles; e. g. pulley blocks; Hoists.							
169089 (965/Cal/89)	28-09-89 ante- dated to 24-06-87	HAGGLUNDS DENISON CORPORATION.	Monitoring circuits in control systems for operating in- haul and outhaul winches.	31-03-91	1/40.	116-H.	F.C.
169090 (796/Cal/89)	28-09-89 ante- dated to 24-06-87	HAGGLUNDS DENISON CORPORATION.	A monitoring circuit in a controlled circuit for control- ling the tension and velo- city of cables.	31-03-91	1/40.	116-H.	F.C.
66 F : Hoisting, lifting, hauling or or pushing, not otherwise provided for e. g. devices which apply a lifting or pushing force directly to the surface of a load.							
167940 (252/Del/87)		COUNCIL OF SCIENTI- FIC AND INDUSTRIAL RESEARCH.	Multifunctional digging tool to function as spade- cum-hoe. C	12-01-91	15/00.	95-M.	I.C.
168069 (1066/Del/86)	04-12-86	VIDEOCOLOR.	Dual pressure jack.	26-01-91	3/00.	116-E.	F.C.

1	2	3	4	5	6	7	8
168317 (110/Cal/87)	09-02-87	CONSILIUM MATERIALS HANDLING MARINE AB.	Apparatus for unloading bulk material.	09-03-91	9/00.	116-G.	F.C.
169201 (58/Mas/87)	29-01-87	FMC CORPORATION.	Aircraft loader.	14-09-91	3/06.	4-A	F.C.
				116 G, GROUPS III (I); XLIX			
169835 (244/Cal/89)	30-03-89	1. PROTAP KUMAR GHOSH. 2. PINKY PRASAD	A multiple-cylinder tele- scopic jack for applying a uniform thrust at a constant rate of opening.	3/00, 3/00		116E 1/08.	I. I.
B 67 : LIQUID HANDLING.							
B 67D : Dispensing, delivering or transferring liquids, not otherwise provided for.							
168159 (793/Cal/87)	12-10-87	PKL VERPACKUNGSSY- STEME GMBH.	A nozzle with at least one nozzle opening or jet ori- fice, for filling machines and similar devices e.g. packag- ing machines for liquid products.	09-02-91	5/37.	173-A.	F.C.
168275 (86/Cal/87)	28-01-87	GAS RESEARCH INSTITUTE.	A heater for heating fluids.	02-03-91	5/62.	98-E.	F.C.
168297 (238/Del/87)	19-03-87	SOLLY KATZ.	Fluid dispenser.	09-03-91	1/00.	195-E—V XXXIX (3)	F.I.
168606 50/Bom/89)	28-02-89	ANAND NARAYAN NAM JOSHI; CHIMAN- LAL GOBINDBHAI PATEL; MANUBHAI BHAILAL BHAI PATEL; AND SHANKAR GANESH KARANDIKAR.	An improved blending machine	04-05-91	5/56.	132-C+D- XXXIV(3).	I. I.
169154 (79/Mas/87)	05-02-87	ISOWORTH LIMITED,	A concentrate supply device.	07-09-91	1/04.	17-D- GROUP—XIV (2)	F.C.

Section C : Chemistry Metallurgy**C 01 : INORGANIC CHEMISTRY.****C 01 B : Non-metallic elements; Compounds thereof.**

167873 (575/Mas/86)	21-07-86	ENICHEM S.P. A.	A process for recovering silicon from a reaction mixture of silicon and sodium fluoride.	05-01-91	33/02.	139-B- GROUP-IV (2).	F.C.
167902 (602/Mas/86)	29-07-86	SHELL INTERNATIO- NALE RESEARCH MAATSCHAPPIJ B.U.	A process for the prepara- tion of synthesis gas from gaseous or liquid hydro- carbon- containing feed.	05-01-91	3/26.	139-D GROUP- XXXII(3) & IV (2).	F.C.
168005 (521/Cal/87)	07-07-87	MITSUI TOATSU CHE- MICALS INCORPO- RATED.	Manufacturing process of chlorine.	19-01-91	7/01.	139-C.	FC.
168015 (692/Mas/86)	28-08-86	SHELL INTERNATIO- NALE RESEARCH MAATSCHAPPIJ B.V.	An improved apparatus and process for producing synthesis gas by catalytic reforming of hydrocarbons with steam.	19-01-91	3/26.	84-G- GROUP-XXXI.	F.C.

1	2	3	4	5	6	7	8
168104 (705/Del/86)	04-08-86	IMPERIAL CHEMICAL INDUSTRIES P.L.C.	Process for the production of a hydrogen product gas stream.	02-02-91	3/36.	88-D-q XXXII(3) 139-D-IV(2).	F.C.
168208 (254/Cal/88)	28-03-88	1. METALLGESELLSCHAFT AKTIENGESellschaft. 2. AMHCHEMIE GBMH.	A process for producing a gas mixture consisting of hydrogen and nitrogen for the synthesis of ammonia.	16-02-91	3/00. 21/03.	39-C; 139-D-E.	F.C.
168233 (164/Cal/88)	24-02-88	TOYO ENGINEERING CORPORATION.	Process for the hydrolysis of urea in dilute aqueous urea solution.	23-02-91	231/20.	39-A; K	F.C.
168258 (154/Cal/89)	23-02-89 ante dated to 26-06-86	STONE & WEBSTER ENGINEERING CORPORATION.	A process for the convective reformation of a feed mixture of hydrocarbons and steam into a hydrogen rich gas.	02-03-91	3/00.	40-H.	F.C.
168293 (382/Del/86)	29-04-86	ÖSTERREICHISCHE CHEMISCHE WERKE GESELLSCHAFT MBH.	An improved cyclic process for the preparation of hydrogen peroxide.	09-03-91	15/00.	39-E & K.	F.C.
168361 (637/Mas/86)	06-08-86	ARI TECHNOLOGIES INC.	A Process for producing a fluid stream with reduced hydrogen sulphide content.	23-03-91	17/04.	139-G- GROUP-IV(2).	F.C.
168451 (572/Del/86)	02-06-87	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A process for the preparation of polyphenylene oxide as an adherent film on metallic substrates.	06-04-91	13/14.	32-E.	I.C.
168471 (600/Mas/86)	29-07-86	SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B.V.	Process for producing H ₂ S free gas from H ₂ S containing sour industrial gas stream.	13-04-91	17/01.	39-G- GROUP-III	F.C.
168472 (633/Mas/86)	05-08-86	SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ BV.	Process for producing an H ₂ S free gaseous stream from a H ₂ S containing sour gaseous stream.	13-04-91	17/04.	39-A- GROUP-III	F.C.
168511 (125/Cal/88)	12-02-88	METALLGESELLSCHAFT AKTIENGESellschaft	A process of producing elementary sulfur from hydrogen sulfide containing feed gas	20-04-91	17/04. 17/43.	139-G.	F.C.
168515 (193/Cal/88)	07-03-88	MITSUBISHI TOATSU CHEMICALS, INC.	A process and reactor for producing chlorine.	20-01-91	7/04.	39-M; 40-E.	F.C.
168531 (475/Del/87)	02-06-87	OIL & NATURAL GAS COMMISSION	A process of coating silica sand.	20-04-91	33/149	40-F & 35-E.	I.C.
168591 (609/Mas/86)	30-07-86	UHDE GMBH	Apparatus for production of synthesis gas	04-05-91	3126	139-D- GROUP-IV(2)	F.C.
168682 (807/Mas/86)	13-10-86	INTERNATIONAL MINERAL & CHEMICAL CORPORATION	A process of producing purified phosphoric acid by removing aluminium, magnesium and iron impurities, from wet process phosphoric acid.	18-05-91	25/18	39-L-GROUP-III	F.C.
168732 (488/Cal/87)	22-06-87	MITSUBISHI TOATSU CHEMICALS INCORPORATED	Production process of chlorine.	25-05-91	7/01	139-C.	F.C.
168743 (793/Mas/86)	07-10-86	SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B. V.	A process for producing a hydrogen-containing gas	01-06-91	3/02	139-D-GROUP IV(2).	F.C.

1	2	3	4	5	6	7	8
168808 (340/Cal/88)	27-04-88	PENNWALT CORPORATION	Sulfur dissolving composition based on di-sulfide, polysulfide or mixtures thereof.	08-06-91	31/26	139-G.	F.C.
168811 (155/Bom/87)	07-05-87	SANTRADE LIMITED	Process and apparatus for the purification of contaminated sulphur.	15-06-91	17/02	139-G-IV (2)	F.C.
168954 (917/Cal/87)	23-11-87	COMAICO ALUMINIUM LIMITED.	A process for the recovery of fluoride values from waste materials.	27-07-91	7/19	39-A; 164-C.	F.C.
169002 (122/Cal/87)	12-02-87	MITSUMI TOATSU CHEMICALS, INCORPORATED.	Process for producing chlorine by oxidizing an off gas byproduced in a reaction step.	10-08-91	7/01	139-C.	F.C.
169005 (412/Cal/87)	25-05-87	TEXACO DEVELOPMENT CORPORATION	A process for the production of gaseous mixtures comprising $H_2 + CO$ by the partial oxidation of a fuel feedstock.	10-08-91	3/00	40-E.	F.C.
169015 (667/Cal/87)	25-08-87	DEGUSSA AKTIENGESSELLSCHAFT	A process for the extraction of hydrogen peroxide from the working solution obtained in a conventional anthraquinone process.	17-08-91	15/01	39-K.	F.C.
169020 (977/Cal/87)	15-12-87	CRA SERVICES LIMITED	Chlorination of metallurgical composites.	17-08-91	9/02	39-G.	F.C.
169074 (233/Cal/89)	27-03-89 antedated to 10-02-86	THE AUSTRALIAN NATIONAL UNIVERSITY OF ACTION.	Process for producing a diamond compact.	31-08-91	31/06	136-E.	F.C.
169199 (40/Mas/87)	21-01-87	HOECHST AKTIENGESSELLSCHAFT.	Process for making crude phosphoric acid.	14-09-91	25/222	39-K-GROUP-III.	F.C.
169329 (395/Mas/87)	27-05-87	DOW CORNING CORPORATION	A process for producing silicon using a gas plasma as the energy source.	28-09-91	33/00	130-F-GROUP-XXXIII (7)	F.C.
169394 (272/Mas/87)	13-04-87	VEG-GASINSTITUT NV. AND COMPRIMO B.V.	An improved process for preparing a catalyst for the selective oxidation of hydrogen sulfide to elemental sulfur.	12-10-91	17/04	40-B, 139-G-GROUPS-IV (1) & IV(2).	F.C.
169395 (273/Mas/87)	13-04-87	VEG-GAS INSTITUT N.V. and COMPRIMO B.V.	A process for the recovery of sulfur from hydrogen sulfide containing gas.	12-10-91	17/04.	139-G-GROUP-IV(2)	F.C.
169429 (04/Bom/90)	09-01-90	LARSEN & TOUBRO LTD.	A sulphur trioxide pre-absorption device for use in a sulphuric acid plant.	12-10-91	17/69	39-K-(III).	I.C.
169430 (05/Bom/90)	09-01-90	LARSEN & TOUBRO LIMITED.	A two stage SO_2 scrubber for use in a sulphuric acid plant	12-10-91	17/48. 17/56.	39-K-(III).	I.C.
169502 (1005/Del/85)	31-12-86	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	A process for the photocatalytic decomposition of water into hydrogen and oxygen.	26-10-91	3/06, 13/02	139-D&F	I.C.
169517 (419/Cal/88)	25-05-88	MASCHINENFABRIK AND RITZ AKTIENGESSELLSCHAFT.	Process for the production or recovery of acids from metalliferous solutions of such acid.	02-11-91	7/19, 21/38	39-A&K-40-F.	F.C.

1	2	3	4	5	6	7	8
169577 (393/Cal/88)	16-05-88	DEGUSSA AKTIENGESF- LLISCHAFT.	Aqueous pumpable stable suspension of a sater insoluble silicate capable of binding calium ions.	16-11-91	33/20	40-C+170-B.	F.C.
169595 (429/Cal/88)	26-05-88	ALUMINIUM PECHINEY	Method for treating waste material, in the form of worn linings of hall-heroult electrolysis tanks.	16-11-91	7/19	40-F;39-A.	F.C
169608 (353/Mas/87)	14-05-87	SWISS ALUMINIUM LTD.	A process for the preparation of soda waterglass.	23-11-91	33/32	39--0-GROUP- III.	F.C.
169625 (480/Mas/87)	03-07-87	LINDE AKTIENGE- SELLSCHAFT	A n improved process for the production of ammonia and carbon Di-oxide. carbon Di-osice.	23-11-91	3/32	39-C; 39-K & 139-D- GROUPS-III & IV (2).	F.C.
169662 (370/Mas/87)	20-05-87	ARI TECHNOLOGIES, INC	An apparatus and method for liqifying and separating sulfur from a slurry of sus- pended sulfur particles in an aqueous liquid.	30-11-91	17/02, 17/05	139-G- GROUP-IV (2).	F.C.
169667 (335/Mas/87)	08-05-87	CHEVRON RESEFARCH COMPANY	A process for preparing a novel zeolite (SSZ-25).	30-11-91	33/28	40-B-GROUP -IV (1).	F.C.
169668 (334/Mas/87)	08-05-87	CHEVRON RESEARCH COMPANY	A process for preparing a novel zeolite (SSZ-24).	30-11-91	33/28	40-B-GROUP- IV (1).	F.C.
169669 (333/Mas/87)	08-05-87	CHEVRON RESEARCH COMPANY	A process for preparing a novel zeolit (SSZ-23).	30-11-921	33/28	40-B-GROUP- IV(1).	F.C.
169847 (519/Mas/87)	21-07-87	FIRMAERNST WINTER & SOHN (GMBH & CO.).	A process for producing diamond grains having im- proved cutting ability.	28-12-91	31/06.	178-GROUP- XXV(3).	F.C.
C 01 C : Ammonia; Cyanogen; Compounds thereof.							
168135 (851/Del/86)	28-09-86	COUNCIL OF SCIENTI- FIC AND INDUSTRIAL RESEARCH	An improved process for the production of alkali soluble humic acid and ammonium salt thereof from low rank coal, weathered coal or lignite through solid gas reaction.	09-02-91	1/28	39-K-(III)	I.C
168208 (254/Cal/88)	28-03-88	1. METALLGESELLS- CHAFT AKTIENGE- SELLSCHAFT 2AMHCHEMIE GMBH	A process for producing a gas mixture consisting of hydrogen and nitrogen for the synthesis of ammonia.	16-2-91	1/04	39-C; 139- D.E.	F.C.
168233 (264/Cal/88)	24-02-88	TOYO ENGINEERING CORPORATION	Process for the hydrolysis of urea in dlilute aqueous urea solution,	23-02-91	1/00.	39-A;K.	F.C.
169625 (480/Mas/87)	03-07-87	LINDE AKTIENGESF- LLSCHAFT.	An improved process for the production of ammonia and carbon dioxide.	23-11-91	1/04	39-C, 39K & & 139-D- GROUPS-III & IV(2).	F.C.
C 01 : Compounds of the metals beryllium, magnesium, aluminium, calcium, storntium, barium, radium, thorium, or of the rare-earth metals.							
168196 (811/Del/87)	16-09-87	ALUMINA ESPANOLA, S.A.	Method for the preparation of improved alumina from powder produced during the calcination of metallurgical alumina.	16-02-91	7/04	39-L	F.C.

1	2	3	4	5	6	7	8
168223 (311/Cal/87)	21-04-87	ALUMINIUM PECHINEY	Process and apparatus for the decomposition of sodium aluminate liquor for the production of alumina.	23-02-91	7/02, 7/12	39-N; 40-A ₂	F.C.
168397 (511/Del/87)	15-06-87	VSESOJUZNY NAUCHNO- ISSLEDOVATELSKY I PROEKTNY INSTITUT ALJUMINIEVOI, MAG- NIEVOI I ELEKTROD- NOI PROMYSLENNO- STI.	A process for the manufacture of alumina from bauxite.	23-02-91	7/02	39-L.	F.C.
168479 (697/Mas/86)	29-08-86	ATOCHEM.	Process for the preparation of aluminium chloride.	13-04-91	7/56	39-G-GROUP- III.	F.C.
168623 (778/Cal/87)	06-10-87	AMERICAN CYANAMID company.	An improved process for separating insoluble red mud from bayer process streams.	11-05-91	7/02	70-C ₃ 39-L.	F.C.
169020 (977/Cal/87)	15-12-87	CRA SERVICES LIMITED	Chlorination of metallurgical composites.	17-08-91	5/30	39-G.	F.C.
169177 (53/Mas/87)	27-01-87	Magyar Aluminiumipari TROSZT.	Apparatus for sizing the grains in alumina hydrate slurry	14-09-91	7/02,	40-F-GROUP IV(1)	F.C.
169232 (371/Del/85)	30-04-85	THE BROKEN HILL PROPRIETARY COMPA- NY LIMITED.	Process for making alumina.	14-09-91	7/02	39-C	F.C.
169274 (54/Del/88)	21-01-88 ante dated to 30-4-85	THE BROKEN HILL PROPRIETARY COM- PANY LIMITED	Improved process for the preparation of Alumina according to the bayer technique.	21-09-91	7/02.	39-L.	F.C.
169407 (302/Mas/87)	27-04-87	STAMICARBON B.V.	Process of preparing virtually cadmium free calcium sulphate from cadmium containing phosphate rock.	12-10-91	11/46	39-P-GROUP- III.	F.C.
169665 (354/Mas/87)	14-05-87	SWISS ALUMINIUM LTD.	An improved process for the production of aluminium fluoride trihydrate.	30-11-91	7/50.	39-G-GROUP- III	F.C.
C 01 G : Compounds containing metals not covered by sub-classes C 01 D or C 01 F.							
168722 (250/Del/87)	23-03-87	COMINCO LTD.	A method for the purification of zinc sulfate electrolyte.	25-05-91	9/06.	39-P- LXIV(2) & 70-C ₃ -LVIII (5).	F.C.
168916 (261/Cal/88)	29-03-88	SUMITOMO-CHEMI- CAL COMPANY LTD.	Process for recovery of gallium by chelate resin.	13-07-91	15/00.	39-E; 130-F & I	F.C.
169020 (977/Cal/87)	15-12-87	CRA SERVICES LIMITED	Chlorination of metallurgical composites.	17-08-91	25/04.	39-G.	F.C.
169_79 (337/Del/88)	19-04-88 ante dated to 29-11-85	COUNCIL OF SCIENTI- FIC AND INDUSTRIAL RESEARCH.	A process for the preparation of dioxygen complex of ruthenium useful for photocatalytic decomposition of water into oxygen and hydrogen.	21-09-91	55/00.	39-E; 40-B.	I.C.
169690 (350/Del/86)	18-04-86	ICI AUSTRALIA LIM- ITED AND COMMON- WEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISA- TION.	A process for the preparation of ammonium zirconium sulfate composition.	07-12-91	25/06.	39-C.	F.C.

1	2	3	4	5	6	7	8
169812 (1148/Del/88)	23-12-88 ante dated to 18-04-86	ICIAUSTRALIA LIMITED AND COMMON-WEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION.	A process for the refining of a zirconium-containing material to produce a pure zirconia.	28-12-91	25/02.	39-L.	F.C.
C 02 F : TREATMENT OF WATER, WASTE WATER, SEWAGE OR SLUDGE.							
C 02 F : Treatment of water, waste water, sewage or sludge.							
167969 (258/Bom/89)	19-09-89	BHABHA ATOMIC RESEARCH CENTRE.	An improved method for the detoxification of a fluorine containing aqueous effluent.	12-01-91	11/14.	164CII(3), 201CII(4).	I.C.
168137 (938/Del/86)	23-10-86	OLAF FJELDSSEND A/S.	Apparatus for magnetic treatment of flowing liquid.	09-02-91	5/00.	80-K VI.	F.C.
168276 (124/Cal/87)	16-02-87	NORTON COMPANY.	A process for rejuvenating the diffusion elements in an activated sludge treatment process.	02-03-91	7/00, 11/00.	164-C.	F.C.
168352 (729/Mas/86)	11-12-87	PARAMESWARAN PILLAI, SIVASANKARA PILLAI.	A process for the treatment of effluents from textile mills employing the liquid effluent from sulphate route titanium dioxide plants.	16-03-91	1/58, 1/66.	40-F- Group-IV(1).	I.I.
168356 (860/Mas/86)	04-11-86	DEGREMONT.	A reactor for treating liquid effluent.	16-03-91	11/00.	16 -A- Group-II(3).	F.C.
168367 (546/Mas/86)	28-10-86	DEGREMONT.	Device for thickening a solid liquid suspension.	23-03-91	11/00.	80-I- Group-VI.	F.C.
168368 (848/Mas/86)	28-10-86	DEGREMONT.	An apparatus for the anaerobic treatment of waste water.	23-03-91	3/28.	201-D- Group-II(4).	F.C.
168436 (898/Mas/86)	21-11-86	DEGREMONT.	A plant for treating waste water.	06-04-91	3/00.	164-A- Group-II(3)	F.C.
168442 (603/Cal/87)	03-08-87	CONTINENTAL MANUFACTURING & SALES INC.	Method for the treatment of sewage and other impure water.	06-04-91	1/52.	164-B;C S 201-C.	F.C.
168675 (961/Cal/88)	18-11-88 ante dated to 10-10-85	INTERFACE RESEARCH CORPORATION.	A method of preparing a microbiocidal composition.	18-05-91	1/50.	55-D ₂ .	F.C.
168707 (68/Del/87)	29-01-87	THE WATER RESEARCH COMMISSION.	Process and tubular filter press apparatus for dewatering a slurry to form an easily removable cake from the solids content of said slurry.	25-05-91	1/00.	80-C.	F.C.
168752 (373/Cal/87)	07-05-87	ELECTROLUX WATER SYSTEMS, INC.	Fluid purification system and method of producing purified fluids.	01-06-91	1/00, 1/32, 1/30.	201-A,D.	F.C.
168815 (123/Bom/89)	09-05-89	ANAND GOVIND Bhole.	Static flocculator.	15-06-91	1/52.	40-C & F- IV(1); 201-D-II(4).	I.I.

1	2	3	4	5	6	7	8
168849 (24/Bom/90)	04-12-90	1. VIVEKANAND SHREEPAD BALE- SEKAR. 2. NAND- KUMAR DATTARAM HEBLE.	A gravity feed pot chlori- nator with variable chlorine dose injecting means.	22-06-91	1/18.	201-C-II(4).	I.I.
168923 (200/Cal/88)	07-03-88	MCTICHE INDUSTRIES INC.	Oil-water separator.	13-07-91	1/40.	80-E.	F.C.
168954 (917/Cal/87)	23-11-87	COMAICO ALUMI- NIUM LIMITED.	A process for the recovery of fluoride values from waste materials.	27-07-91	1/00.	39-A, 164-C.	F.C.
169040 (532/Cal/88)	28-06-88	UKRAINSKY INSTITUTE INZHENEROV VOD- NOGO KHOZYAISTVA.	Electrolyzer for the puri- fication of waste water.	24-08-91	1/46.	201-C.	F.C.
169168 (97/Mas/87)	13-02-87	EMICHEM FIBRE S.P.A.	A method for purifying toxic effluent in a process of pro- ducing in-line dyed acrylic fibres.	07-09-91	1/42.	201-C- Group-II(4).	F.C.
169189 (1082/Del/87)	14-03-89	COUNCIL OF SCIENTI- FIC AND INDUSTRIAL RESEARCH.	A process for the preparation of high flux membrane from the blend formulations of cellulose acetate and cellulose triacetate useful for desalina- tion of brackish water by reverse osmosis process.	14-09-91	1/44.	40-F.	I.C.
169322 (181/Mas/87)	16-03-87	CIB DEVELOPMENTS LTD.	Process and apparatus for the separation of foreign matter from a liquid by floatation.	28-09-91	1/40.	198-B- Group-XXXIV(3).	F.C.
169384 (89/Cal/88)	02-02-88	HYDRANAUTICS.	An improved oxidatively resistant membrane, process for making same and method of desalinating a saline water therewith.	05-10-91	1/44.	40-F; 201-C.	F.C.
169442 (72/Bom/89)	20-03-89	ION EXCHANGE (INDIA) LIMITED.	A device for purifying and/or filtering water.	19-10-91	1/00.	201-C-II(4), 80-A-VI.	I.C.
169478 (770/Cal/89)	19-09-89 ante dated to 23-10-86	CADBURY SCHWEPPE'S PROPRIETARY LIM- TED.	Method of producing water with reduced bacterial con- tent.	26-10-91	1/00, 1/50.	201-C.	F.C.
169588 (833/Del/87)	22-09-87	PFIZER HOSPITAL PRODUCTS GROUP, INC.	Apparatus for draining fluids.	16-11-91	1/00.	128-G.	F.C.
169844 (47/Mas/88)	25-01-88	SOUTHERN PETRO- CHEMICAL INDUSTRI- ES CORPORATION LTD.	A process for reducing hexa- valent chromium present in chromium bearing streams to trivalent chromium.	28-12-91	1/45.	201-D & 70-C ₄ - Groups-II(4) & LVIII(5).	I.C.

C 03 : GLASS, MINERAL ORSLAG WOOL

C 03 B : Manufacture, shaping, or supplementary processes.

168019 (883/Mas/86)	12-11-86	CORNING GLASS WORKS.	A method for the producing of a glass for optical and/or ophthalmic applications.	19-01-91	5/16.	90-H & I- Group-XXXVI.	F.C.
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1	2	3	4	5	6	7	8
168858 (950/Mas/86)	08-12-86	SORG GMBH & CO. K.G.	Glass melting furnace with improved efficiency.	29-06-91	5/0R	90-k Group-XXXVI.	F.C.
169077 (93/Cal/90)	01-02-90 ante dated to 21-01-88	PLASTICON PATENTS, S.A.	Blow molded plastic container.	31-08-91	9/00, 9/08.	22, 90-H B.	F.C.
169123 (1081/Del/87)	16-03-89	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A moulding device for preparing spherical segment mirrors using mirror films bonded to fibreglass reinforced plastic dishes.	07-09-91	9/00.	136-E.	I.C.
169151 (11/Mas/87)	08-01-87	CORNING GLASS WORKS.	Heating oven for drying and/or consolidating glass material.	07-09-91	37/08.	90-I- Group-XXXVI.	F.C.
169224 (45/Mas/87)	22-01-87	CORNING GLASS WORKS.	A method of manufacturing a preform for making optical fibres.	14-09-91	37/012.	90-F- Group-XXXVI.	F.C.
169318 (164/Mas/87)	10-03-87	THE FURUKAWA ELECTRIC CO. LTD.	Torch for fabricating optical fibre preform.	28-09-91	37/08.	28-B- Group-XXX(I).	F.C.
169528 (300/Mas/87)	23-04-87	OY PARTEK AB.	A method and an apparatus for manufacturing a continuous mineral wool web.	2-11-91	37/00.	172-B- Group-XX.	F.C.
C 03 C : Chemical composition of glasses, glazes or vitreous enamels; Surface treatment of glass; Surface treatment of fibres or filaments from glass, minerals or slags. Joining glass to glass or other materials.							
167875 (623/Mas/86)	04-08-86	OWENS-ILLINOIS TELEVISION PRODUCTS INC.	A method of making an improved solder glass composition.	05-01-91	3/00.	90-K- Group-XXXVI.	F.C.
168019 (883/Mas/86)	12-11-86	CORNING GLASS WORKS.	A method for the production of a glass for optical and/or ophthalmic applications.	19-01-91	3/00.	90-H&I- Group-XXXVI.	F.C.
168348 (980/Del/87)	17-11-87	BHARAT HEAVY ELECTRICALS LIMITED.	A process for the manufacture of a glass fabric laminate having metallic coating thereon for manufacturing magnetic laminate.	16-03-91	17/06.	90.	I.C.
168491 (832/Cal/87)	26-10-87	ORGEL.	Glass micro fibre-based paper and high performance aerosol filter battery separator element or composite paper comprising said glass micro-fibre based paper.	13-04-91	14/00.	145-A B; 90-I.	F.C.
168746 (794/Mas/86)	07-10-86	CORNING GLASS WORKS.	A method of making a highly crystalline glass-ceramic.	01-06-91	10/14.	90-K- Group-XXXVI.	F.C.
169126 (274/Del/88)	05-04-88 ante dated to 08-07-85	THE B.E. GOODRICH COMPANY.	A process for pelletizing vinyl chloride homopolymer & glass fibres.	07-09-91	13/04.	32-E 90-I.	F.C.
169172 (63/Del/87)	28-04-88	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A process for the manufacture of bronze coloured sheet glass.	14-09-91	3/078	90-I & K.	I.C.
169402 (128/Mas/87)	24-02-87	GLASSTECH INC.	Glass sheet press bending system.	12-10-91	19/00.	90-C & J- Group-XXXVI.	F.C.

1	2	3	4	5	6	7	8
169483 (268/Mas/87)	09-04-87	MINNESOTA MINING AND MANUFACTUR- ING COMPANY.	An optical fibre connector.	26-10-91	27/00.	206-E- Group-LXII.	F.C.
169768 (1094/Del/86)	12-12-86	PPG INDUSTRIES INC.	Improved mpane for a double- glazed window unit possess- ing low emmissivity in the infra-red wave length range and high transmittance in the visible wavelength range of the radiation specturm and method for the prepara- tion thereof.	21-12-91	21/00 17/40.	188 & 90-I.	F.C.
C 04 : CEMENTS, CONCRETE, ARTIFICIAL STONE; CERAMICS, REFRACTORIES.							
C 04 B : Lime; Magnesla; Slag; Cements; Compositions thereof, e-g-mortars, concrete or ilke bullding materials, Artificial stone; Ceramics; Refractories; Treatment of natural stone.							
167897 (1099/Del/86)	27-11-87	STEEL AUTHORITY OF INDIA LTD.	Gunning composition or mix used for hot repairing the lining of matellurgical fur- naces and a process for its preparation.	05-01-91	35/04.	35-E.	I.C.
167923 (429/Cal/87)	01-06-87	LANXIDE TECHNO- LOGY COMPANY LP.	Method of making ceramic composite articles with shape replicated surfaces.	12-01-91	35/00 35/60.	35-G.	F.C.
167946 (174/Cal/88)	29-02-88	NGK INSULATORS LTD.	A process for producing high strength porcelains for use in insulators.	12-01-91	33/00 35/00.	35-E.	F.C.
167950 (614/Cal/88)	22-07-88	ORISSA CEMENT LIMITED.	Method for the manufacture of silica refractory bricks.	12-01-91	35/00.	35-E.	I.C.
167986 (709/Cal/87)	07-09-87	LANXIDE TECHNO- LOGY COMPANY LP.	A method for producing bonded ceramic bodies.	19-01-91	35/00.	35-E.	F.C.
167992 (383/Del/86)	29-04-86	BLUE CIRCLE INDUS- TRIES PLC.	A method of producing a settable cementitious com- position.	19-01-91	7/32.	35-C- XXV(2).	F.C.
168027 (1115/Del/86)	18-12-86	THERMAL CERAMICS INC.	Process for the preparation of novel thermally bonded fibrous products.	26-01-91	35/16 35/18.	35-E.	F.C.
168168 (272/Del/87)	31-03-87	FOSROC INTERNA- TIONAL LIMITED.	A method of manufacturing a self setting hydrated port- land cement composition.	16-02-91	7/32.	35-B-XXV(2).	F.C.
168227 (703/Cal/87)	04-09-87	LANXIDE TECHNOLO- GY COMPANY LP.	Method for producing sub- stantially pure alumina material.	23-02-91	33/00 35/00.	39-L; 193.	F.C.
168304 (42/Del/87)	21-01-87	STEMCOR CORPORA- TION.	A method for producing a refractory fused cast- moulding.	09-03-91	35/60 35/62.	35-E-XXV(2).	F.C.
168312 (832/Cal/85)	22-11-85	VOEST-ALPINE AKTI- ENGESSELLSCHAFT.	Apparatus for thermally treating fine grained solids particularly for burning ground raw material for making cement.	09-03-91	20/04.	35-B.	F.C.

1	2	3	4	5	6	7	8
168324 (369/Cal/87)	06-05-87	KAUTAR OY.	Method for producing concrete or mortar and an apparatus for carrying out the method.	16-03-91	40/00.	35-C.	F.C.
168339 (526/Cal/87)	09-07-87	LANXIDE TECHNOLOGY COMPANY, LP.	An improved method of producing a self supporting ceramic body.	16-03-91	35/00.	35-E.	F.C.
168377 (486/Del/86)	03-06-86	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	An improved process for the manufacture of sintered synthetic high alumina aggregates.	23-03-91	35/10.	35-E.	I.C.
168383 (695/Cal/87)	02-09-87	LANXIDE TECHNOLOGY COMPANY, LP.	Method for producing self-supporting ceramic bodies with refined microstructures.	23-03-91	35/00, 38/00.	25-D; E; 193.	F.C.
168445 (631/Cal/87)	13-08-87	DALMIA INSTITUTE OF SCIENTIFIC & INDUSTRIAL RESEARCH.	Novel brick lining of steel making furnaces.	06-04-91	35/00.	35-E.	I.C.
168482 (706/Cal/87)	07-09-87	LANXIDE TECHNOLOGY COMPANY, LP.	Production of ceramic articles incorporating porous filler material.	13-04-91	35/00	35-E	F.C.
168483 (707/Cal/87)	07-09-87	LANXIDE TECHNOLOGY COMPANY, LP.	Method for producing a self-supporting ceramic composite.	13-04-91	35/00.	35-E.	F.C.
168484 (708/Cal/87)	07-09-87	LANXIDE TECHNOLOGY COMPANY, LP.	A method of producing self supporting ceramic composite.	13-04-91	35/00.	35-E.	F.C.
168485 (716/Cal/87)	08-09-87	LANXIDE TECHNOLOGY COMPANY, LP.	Method for producing a ceramic composite body.	13-04-91	35/58.	35-E; 193.	F.C.
168486 (736/Cal/87)	15-09-87	LANXIDE TECHNOLOGY COMPANY, LP.	An improved method for producing composite ceramic structures using dross.	13-04-91	35/00, 35/18.	25-E; 193.	F.C.
168487 (738/Cal/87)	15-09-87	LANXIDE TECHNOLOGY COMPANY, LP.	Production of ceramic and ceramic metal composite articles incorporating filler materials.	13-04-91	35/00.	25-D; 193.	F.C.
168503 (27/Cal/88)	13-01-88	LANXIDE TECHNOLOGY COMPANY, LP.	A method for producing a self-supporting ceramic composite structure.	13-04-91	33/00, 35/00.	35-E.	F.C.
168549 (1009/Cal/87)	29-12-87	SHIMIZU CONSTRUCTION CO. LTD.	Method of manufacturing concrete and apparatus therefor.	20-04-91	28/00.	35-C.	F.C.
168677 (420/Cal/89)	01-06-89 ante dated to 01-04-87	BORDEN INC.	Electrodes.	18-05-91	35/52.	70-B; 152-E.	F.C.
168678 (421/Cal/89)	01-06-89 ante dated to 01-04-87	BORDEN INC.	A composition useful as a tamping and ramming composition adaptable and suitable for use in monolithic shape construction.	18-05-91	35/52.	152 D, E.	F.C.

1	2	3	4	5	6	7	8
168679 (422/Cal/89)	01-06-89 ante dated to 01-04-87	BORDEN INC.	A process for making a body that can be pyrolyzed to form a carbonyzed shape.	18-05-91	35/52.	70-B; 152-F.	F.C.
168680 (425/Cal/89)	01-06-89 ante dated to 01-04-87	BORDEN INC.	A process for making a body that can be pyrolyzed to form an electrode suitable for use in the electrolytic production of metal.	18-05-91	35/52.	70-B; 152-F.	F.C.
168703 (762/Del/86)	25-08-86	GLAVERBEL.	A process and apparatus for depositing or forming refractory masses on the surface of a substrate.	25-05-91	35/66.	35-E.	F.C.
168735 (701/Cal/87)	04-09-87	LANXIDE TECHNOLOGY COMPANY, LP.	A method for producing self-supporting ceramic body.	25-05-91	35/00.	35-E.	F.C.
168770 (964/Cal/88)	22-11-88	ORISSA CEMENT LIMITED.	Method for the manufacture of fired basic refractory bricks.	01-06-91	35/00.	35-F.	I.C.
168771 (965/Cal/88)	22-11-88	ORISSA CEMENT LIMITED.	Method for the manufacture of chemically bonded basic refractory bricks.	01-06-91	35/00.	35-E.	I.C.
168793 (1103/Del/86)	14-12-87	STEEL AUTHORITY OF INDIA LTD.	A process for making hot pitch bonded tar dolomite bricks used in L.D. converter linings.	08-06-91	35/06.	35-E.	I.C.
168823 (712/Cal/87)	08-09-87	LANXIDE TECHNOLOGY COMPANY, LP.	Method for producing self-supporting ceramic bodies with graded properties.	15-06-91	35/00.	25-C; 193-L.	F.C.
168834 (700/Cal/87)	04-09-87	LANXIDE TECHNOLOGY COMPANY, LP.	Method for producing an at least partially coated self-supporting ceramic composite structure.	22-06-91	35/00, 35/65, 35/84.	35 G.	F.C.
168881 (845/Mas/86)	28-10-86	SANDOZ LTD.	A process for the preparation of an improved cementitious mix.	06-07-91	7/13.	35-R & C; Group-XXV(2).	F.C.
168903 (6/Cal/88)	01-01-88	LANXIDE TECHNOLOGY COMPANY, LP.	Method for producing a shaped ceramic component.	06-07-91	35/00, 35/64, 14/00.	35-D & E 136-E.	F.C.
168941 (702/Cal/87)	04-09-87	LANXIDE TECHNOLOGY COMPANY, LP.	A method of producing self-supporting ceramic body.	20-07-91	33/00.	35-E.	F.C.
169016 (734/Cal/87)	14-09-87	LANXIDE TECHNOLOGY COMPANY, LP.	A method of producing a foamed ceramic article.	17-08-91	14/00.	35-E.	F.C.
169021 (7/Cal/88)	01-01-88	LANXIDE TECHNOLOGY COMPANY, LP.	Method for producing mold-shaped ceramic bodies.	17-08-91	35/00, 35/64, 14/00.	35-D; E, 136-E.	F.C.
169024 (171/Cal/88)	29-02-88	VEB SILIKATWERK BRANDIS, LM VEB QUALITATS-UND EDELSTAHL-KOMBINAT BRANDENBURG.	A method of preparing rapidly solidifying alumina containing refractory concrete.	17-08-91	28/00, 28/06, 35/10, 35/18, 35/44, 35/62, 35/66.	35-C, E.	F.C.

1	2	3	4	5	6	7	8
169041 (9/Ca/88)	04-01-88	LANXIDE TECHNOLOGY COMPANY, LP.	A method for producing a self-supporting ceramic composite comprising metal carbide.	24-08-91	35/00.	35-E.	F.C.
169042 (10/Ca/88)	04-01-88	LANXIDE TECHNOLOGY COMPANY, LP.	A method of producing self-supporting ceramic composite.	24-08-91	35/00.	35-E.	F.C.
169196 (1/Mas/87)	01-01-87	BPB INDUSTRIES PUBLIC LIMITED COMPANY.	A method and apparatus for calcining calcium sulphate dihydrate or gypsum.	14-09-91	11/02.	39-P-Group-III.	F.C.
169359 (779/Mas/87)	27-10-87	SOCIETE DES ELECTRODES & REFRAC-TAIRES SAVOIE (SERS).	A coating composition for protection from corrosion and oxidation in the hot condition to be applied on the emergent carbonaceous part of the anode used in hallherout electrolysis tanks.	28-09-91	35/54.	103-Group-XIV(1).	F.C.
169360 (814/Mas/88)	21-11-88	SOCIETE DES ELECTRODES & REFRAC-TAIRES SAVOIE (SERS).	An improved protective coating composition for the carrier bars of pre-baked anodes and the emerging part of said anodes in electrolysis of alumina.	28-09-91	35/04, 35/14	40-F-Group-IV(1).	F.C.
169482 (234/Mas/87)	01-04-87	MINNESOTA MINING AND MANUFACTURING COMPANY.	Process for making refractory fibres of alumina and phosphorus pentoxide.	26-10-91	35/10.	35-E-Group-XXV(2).	F.C.
146991 (217/Ca/88)	14-03-88	DEGUSSA AKTIENGES-SELLSCHAFT.	A process for the preparation of a pumpable and sprayable concrete mix and an air-placing unit for preparing the said concrete mix.	26-10-91	28/00.	35-C,E.	F.C.
169507 (1040/Dcl/86)	28-11-86	NODEST VIE A/S.	An apparatus for mixing gravel and bitumen.	26-10-91	24/36.	132-C & 152-B.	F.C.
169580 (402/Ca/88)	19-05-88	LANXIDE TECHNOLOGY COMPANY, LP.	Method for surface bonding of ceramic bodies.	16-11-91	35/00, 37/00, 41/87.	35-G.	F.C.
169600 (459/Ca/88)	03-06-88	BETHLEHEM STEEL CORPORATION.	Method for the production of concrete-like solid material by chemical stabilization of heavy metal bearing dusts and sludge such as EAF dust.	16-11-91	7/14, 7/147, 4/53, 7/24.	35-C.	F.C.
169656 (578/Ca/88)	11-07-88	HITACHI LTD.	A high-strength sintered composite ceramic body.	30-11-91	35/00, 35/10, 35/14, 35/50, 35/56, 35/58.	35-E.	F.C.
169659 (591/Ca/88)	14-07-88	LANXIDE TECHNOLOGY COMPANY, LP.	Method of producing self-supporting bodies.	30-11-91	35/00, 35/56, 35/58, 35/60, 14/00, 20/00.	9-A & D ; 35-E; 93.	F.C.

1	2	3	4	5	6	7	8
169663 (364/Mas/87)	18-05-87	ALUMINIUM PECH- NEY.	A method of manufacturing baked anodes intended for the production of aluminium by electrolysis.	30-11-91	35/52.	70-B-Group- LVIII(5).	F.C.
169718 (1009/Cal/88)	06-12-88	LANXIDE TECHNO- LOGY COMPANY, LP.	Method of producing a self- supporting ceramic body.	14-12-91	35/00.	35-E.	F.C.

C 05 : FERTILISERS; MANUFACTURE THEREOF.**C 05 B : Phosphatic fertilisers.**

168449 (691/Cal/87)	02-09-87	DALMIA INSTITUTE OF SCIENTIFIC & INDUSTRIAL RE- SEARCH.	An improved method of pro- ducing granules of ammonia based fertilisers.	06-04-91	7/00.	123.	I.C.
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C 05 C : Nitrogenous fertilisers.

168018 (849/Mas/86)	29-10-86	MADRAS FERTILIZERS LIMITED.	Process for preparing urea- gypsum by urea melt granula- tion technique.	19-01-91	9/00.	123-Group- I(4)...	I.C.
168323 (366/Cal/87)	05-05-87	1. MARK EFREMOVICH IVANOV. 2. ANOTOLY SHNEEROVICH BERKO- VICH. 3. ANDREI BORISOVICH IVANOV. 4. VIKTOR MARKOVICH OLEVSKY. 5. MAXIM LEIBOVICH FERD. 6. JURY DMITRIEVICH BARBASHOV. 7. VALEN- TIN IVANOVICH ZVEREV. 8. KAPITOLINA MIKHA- ILOVNAZAKHAROVA. 9. VIKTOR MIKHAILO- VICH LINDIN. 10. BORIS IOSIFOVICH MALKIN. 11. ANATOLY PETRO- VICH PONOMAREV.	Process for obtaining prilled mineral fertilisers and prilled mineral fertilizers thereby produced.	16-03-91	1/02, 9/00.	123.	F.I.
168449 (691/Cal/87)	02-09-87	DALMIA INSTITUTE OF SCIENTIFIC & IND- USTRIAL RESEARCH.	An improved method of producing granules of ammonia based fertilisers.	06-04-91	1/00, 9/00, 11/00.	123	I.C.
168807 (294/Cal/88)	08-04-88	NEDERLANDSE STIKS- TOF MAATSCHAPPIJ B.V.	An improved process for pro- ducing fertilizer granules con- taining urea and ammonium sulphate.	08-06-91	9/00, 11/00.	123	F.C.

C 05 D : Inorganic fertilisers not covered by subclasses C 05 B, C; Fertilisers producing.

168022 (604/Del/86)	10-07-86	COUNCIL OF SCIENTI- FIC & INDUSTRIAL RESEARCH.	Production of fertilizer grade potassium salts and simul- taneous recovery of allumino silica as a by-product from muscovite mica.	26-01-91	1/00.	123-I(4)	I.C.
168731 (912/Cal/86)	16-12-86	PROJECTS & DEVELOP- MENT INDIA LIMITED	A process for the manufac- ture of a balanced grade chlorine free N-P-K fertilizer.	25-05-91	11/00.	123.	I.C.

1	2	3	4	5	6	7	8
C 05 F : Organic fertilisers not covered by subclasses C 05 B, C; e.g. Fertilisers from waste or refuse.							
168343 (338/Dcl/87)	16-04-87	FRANK WESLEY MOFFETT, JR.	A plant growth Composition and a method of manufacturing said composition.	16-03-91	11/00, 13/00.	123.	F.I
C 05 G : Mixtures of fertilisers belonging individually to different subclasses of class C 05; Mixtures of one or more fertilisers with materials not having a specific fertilising activity, e.g. pesticides, soil conditioners, wetting agents.							
168117 (650/Cal/87)	18-08-87	MELAMINE CHEMICALS, INC.	Method of producing an attrition resistant, controlled release fertilizer particle composition.	09-02-91	5/00.	123.	F.C.
168234 (276/Cal/88)	04-04-88	SKW TROSTBERG AKTIENGESELLSCHAFT.	Nitrification-inhibiting agent.	23-02-91	3/10.	123.	F.C.
168373 (214/Dcl/87)	11-03-87	ANIL KUMAR MADAN AND RAJIV SINDHI.	A process for solventless coating of drugs fertilizers insecticides fuels and foods.	23-03-91	3/00.	55-F & 144-A.	I.I.
169217 (134/Mas/87)	26-02-87	BASF AKTIENGESELLSCHAFT.	A process for the preparation of a granular fertilizers.	14-09-91	1/08.	123-Group-I(4).	F.C.
169383 (88/Cal/88)	02-02-88	DR. NIHARENDU BIKAS SINHA.	Novel process for synthesis of synthetic lignoprotein complex useful for maintenance of soil fertility.	05-10-91	3/00.	32-C, 123.	I.I.
C 06 : EXPLOSIVES; MATCHES.							
C 06 B : Explosives or thermic compositions; Manufacture thereof; Use of single substances as explosives.							
168123 (753/Mas/86)	24-09-86	IRECO INCORPORATED.	An improved method of preparing water-in-oil emulsion slurry blasting composition with increased viscosity.	09-02-91	47/14.	72-B-Group-XXXIX(3).	F.C.
168212 (917/Cal/86)	16-03-88	ICI INDIA LIMITED.	Improved water-in-oil emulsion explosive compositions and a process for the preparation thereof.	23-02-91	31/02, 31/28.	72-B.	I.C.
168892 (905/Cal/86)	08-12-87	ICI INDIA LIMITED.	Improved water-in-oil emulsion explosive compositions and method for their manufacture.	06-07-91	31/02, 31/06, 31/28, 31/40.	72-B.	I.C.
168909 (442/Cal/89)	08-06-89 ante dated to 06-03-86	1. E.I. DU PONT DE NEMOURS AND COMPANY. 2. DU PONT CANADA INC.	A storage-stable explosive composition.	06-07-91	31/00, 31/08 31/28.	72-B.	F.C.
168957 (298/Cal/88)	10-07-89	ICI INDIA LIMITED.	Improved water-in-oil emulsion explosive composition and method for its preparation.	27-07-91	31/00.	72-B.	I.C.
169385 (205/Cal/88)	08-03-88 ante dated to 10-05-84	E.I. DU PONT DE NEMOURS AND COMPANY.	A water-in-oil emulsion adapted to be blended with ammonium nitrate prills to form an explosive.	05-10-91	31/00	72-A.	F.C.

1	2	3	4	5	6	7	8
169386 (38/Cal/90)	10-01-90 ante- dated to 10-05-84	E.I.DU PONT DE NE- MOURS AND COMPANY.	An explosive product.	05-10-91	31/00.	72-A.	F.C.
169607 (355/Mas/87)	14-05-87	IRECO INCORPORATED.	A cast explosive composition and a method for making the same.	23-11-91	31/00.	72-B-Group- XXXIX(3).	F.C.
C 06 C : Detonating or priming devices; Fuses; Chemical lighters; Pyrophoric compositions.							
169176 (44/Mas/87)	22-01-87	DYNAMIT NOBEL AKTIENGESELLSCHAFT.	An improved detonator with a primer element.	14-09-91	7/02	10-B-Group- XXXIX(2).	F.C.
169203 (72/Mas/87)	04-02-87	Dynamit NOBEL AKTIENGESELLSCHAFT.	An explosive delay detonator.	14-09-91	7/00.	10-B-Group- XXXIX(2).	F.C.
C 06 D : Means for generating Smoke or mist, Gas-attack compositions, Generation of Gas for blasting or propulsion (Chemical part).							
168235 (405/Cal/88)	23-05-88	NICO PYROTECHNIC HANNES-JURGEN DIED- ERICH GMBH & CO. KG.	Pyrotechnical composition useful for the production of a camouflaging or masking smoke and process of prepar- ing the same.	23-02-91	3/00.	55-A.	F.C.
169509 (441/Del/87)	20-05-87	AKTIEBOLAGET BOFORS.	Base-bleed gas generator for the rear part of a projec- tile, shell or the like having said base-bleed gas generator fitted to the rear part thereof.	26-10-91	5/00.	88-D.	F.C.
C 07 : ORGANIC CHEMISTRY.							
C 07 B : General methods of organic chemistry, Apparatus therefor.							
169124 (214/Del/88)	17-03-88 ante- dated to 20-12-85.	COUNCIL OF SCIENTI- FIC AND INDUSTRIAL RESEARCH.	A process for the hydro- genation of oils and other unsaturated compounds.	07-09-91	35/02.	32-B.	I.C.
169564 (379/Mas/87)	22-05-87	DAVY MCKEE (LONDON) LIMITED.	A continuous process for liquid phase hydrogenation of an unsaturated organic compound into corresponding hydrogenated product.	09-11-91	35/02.	32-F ₃ (c)- Group-IX(1).	F.C.
169589 (919/Del/87)	20-10-87	SHELL INTERNATIO- NALE RESEARCH MAATSCHAPPIJ B.V.	Improved catalyst composi- tion for use in the production of ethylene oxide.	16-11-91	33/00.	40-B.	F.C.
C 07 C : Acyclic or carbocyclic compounds.							
167877 (634/Mas/86)	06-08-86	MAGYAR SZENHIDRO- GENIPARI KUTATÓFE- JLESZTŐ INTÉZET.	An improved process for producing mineral oil from storing rocks containing sand, sandstone and mar-laceout sandstone by the injection of carbon dioxide.	05-01-91	1/12.	56-G & 140-B ₂ -Group- V & KI(2).	F.C.
167883 (683/Mas/86)	26-08-86	SUMITOMO CHEMICAL COMPANY LTD.	An improved process for preparing N-alkylamino- phenols.	05-01-91	91/44.	32-F ₂ (a)- Group-IX(1).	F.C.

1	2	3	4	5	6	7	8
167903 (608/Mas/86)	30-07-86	INSTITUT FRANCAIS DUPETROLE	Improved process for produc- ing sweetened hydrocarbons.	05-01-91	7/00.	32-B-Group- IX(I).	F.C.
167919 (04/Del/87)	02-01-87	PRINCIPAL SCIENTIST & HEAD SIR PADAM- PAT RESEARCH CEN- TRE.	A process for recovery of dimethyl terephthalate from cationic dyeable polyethylene terephthalate waste.	05-01-91	27/10, 51/00, 63/14.	32-F ₃ (a).	I.I.
167934 (467/Del/86)	24-06-87	COUNCIL OF SCIENTI- FIC AND INDUSTRIAL RESEARCH.	An improved process for the manufacture of diaryl ethers.	12-01-91	43/02.	32-F ₃ (a).	I.C.
167941 (921/Cal/87)	24-11-87	PENNWALT CORPORA- TION.	A process for recovering anhydrous lower alkane- sulfonic acid from mixture of lower alkanesulfonic acid and water.	12-01-91	43/00.	32-F ₄ .	F.C.
167976 (1126/Del/86)	22-12-86	UOP INC.	Dehydrocyclodimerization process for producing aro- matic hydrocarbons contain- ing benzene, toluene and xylenes.	19-01-91	2/00, 15/02, 15/04, 15/06, 15/08.	32-B-IX(1).	F.C.
168012 (635/Mas/86)	06-08-86	MAGYAR SZENHIDRO- GENIPARI KUTATO- FEJKESZTO INTEZET.	An improved process for pro- ducing mineral oil from stor- ing rocks containing clay minerals, sand stones sands and marlaceous sand stones by injecting water into the storing rock.	19-01-91	1/10.	56-G, 140-D ₂ -Group- V. KI(2).	F.C.
168017 (712/Mas/86)	04-09-86	UNION CARBIDE CORPORATION.	A process for producing aldehydes by hydro formyla- tion.	19-01-91	47/00.	32-F ₃ (a)- Group-IX(1).	F.C.
168034 (713/Mas/86)	04-09-86	UNION CARBIDE CORPORATION.	A hydroformylation process for producing aldehydes.	26-01-91	47/00.	32-F ₃ (a)- Group-IX(1).	F.C.
168048 (1014/Del/86)	20-11-86	UNION RHEINISCHE BRAUNKOHLN KRAFTSTOFF AG.	A process for the producing pure dimethyl ether.	26-01-91	43/04.	32-F ₃ (a)- Group 3-IX(1).	F.C.
168060 (225/Del/87)	18-03-87	IMPERIAL CHEMICAL INDUSTRIESPLC.	Process for preparing poly- mericpolyamines.	26-01-91	87/00.	32-F ₂ .	F.C.
168070 (1086/Del/86)	10-12-86	COUNCIL OF SCIENTI- FIC & INDUSTRIAL RESEARCH.	An improved process for the preparation of arylacetic acids.	26-01-91	57/30.	32-F ₃ B-IX(1).	I.C.
168116 (622/Cal/87)	11-08-87	GENERAL FOODS CORPORATION.	A process for the preparation of L-aminodicarboxylic acid esters.	09-02-91	93/16.	32-F ₂ (b).	F.C.
168139 (1008/Del/86)	19-11-86	UOP INC.	Continuous process for treat- ing a mercapan containing hydrocarbon feed stream.	09-02-91	7/00.	32-B.	F.C.
168248 (717/Cal/88)	26-08-88 ante dated to 26-06-85	FIDIA S.P.A.	A process for the preparation of a ganglioside derivative.	23-02-91	67/00, 93/00, 99/00.	32-C.	F.C.
168249 (801/Cal/88)	26-09-88 ante dated to 05-02-85	AMERICAN CYANAMID COMPANY.	A stable coating composition having long shelf life and having organic amines con- taining hydroxyalkyl carba- mate groups and method of making the same.	23-02-91	101/12.	144-B, E.	F.C.

1	2	3	4	5	6	7	8
168334 (486/Cal/87)	22-06-87	E.I. DU PONT DE NEMOURS & COMPANY.	A process for producing dimethylamine.	16-03-91	85/00.	32-F ₂ (C).	F.C.
168345 (705/Del/87)	14-08-87	SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH.	A process for the preparation of paraxylene dibromide.	16-03-91	25/02.	32-F ₁ -IX(1).	I.C.
168349 (1152/Del/87)	27-12-88	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A process for the preparation of 2, 4, 4, 4-Tetrachlorobutyronitrile.	16-03-91	121/6.	32-F ₁ -IX(1).	I.C.
168364 (756/Mas/86)	25-09-86	UNION CARBIDE CORPORATION.	A process for trimerization of an olefin.	23-03-91	2/22.	32-B-Group-IX(1).	F.C.
168387 (939/Cal/87)	30-11-87	MITSUMI PETROCHEMICAL INDUSTRIES, LTD.	Improvements in or relating to a process for the production of aromatic carboxylic acid.	23-03-91	65/00.	32-F ₃ (b).	F.C.
168408 (241/Bom/89)	28-08-89	CAMPOR AND ALLID PRODUCTS LIMITED.	A process for the preparation of isolongifolol.	30-03-91	13/54, 13/547.	32-F ₃ (a)-IX(1).	I.C.
168463 (655/Mas/86)	13-08-86	LINDE AKTIENGESSELLSCHAFT.	A process for producing C ₁ or C ₂ hydrocarbons by fractionation of a gas comprising a mixture of hydrocarbons containing 1 to 10 carbon atoms and acid gases.	06-04-91	7/04.	56-E-Group-V	F.C.
168494 (864/Cal/87))	03-11-87	AMERICAN CYANAMID COMPANY.	A process for the preparation of 4-cyano-4-(fluoro phenyl)-3(substituted phenyl) butyric acid, esters and derivatives thereof.	13-04-91	120/00, 121/66.	32-F ₁ ; 55-D ₂ .	F.C.
168506 (60/Cal/88)	28-01-88	IEL LIMITED.	A process for the preparation of aliphatic or aromatic substituted amines.	13-04-91	85/00.	32-C.	I.C.
168510 (123/Cal/88)	11-02-88	HOECHST AKTIENGESELLSCHAFT.	Process for the preparation of acetoacetylarylamides and heteroarylamides of deactivated aromatics.	13-04-91	102/00, 103/10.	32-F ₁ ; F ₂ (a); F ₂ (b).	F.C.
168521 (651/Cal/88)	28-08-86	CATALYTICA ASSOCIATES.	Improved catalyst system for olefin oxidation.	20-04-91	27/00.	39-E; 40-B.	F.C.
168530 (876/Cal/88)	24-10-88	LYPHOMED, INC.	Process for preparing novel pentamidine salts.	20-04-91	123/00.	32-F ₂ (a); 55-E ₄ .	F.C.
168536 (732/Del/87)	21-08-87	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	An improved solvent extraction process for the separation of benzene and C ₃ -C ₆ non aromatics from feed stock of naphtha range petroleum fractions.	20-04-91	7/10, 15/04.	32-B	I.C.
168539 (336/Del/88)	19-04-88	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	An improved process for the preparation of 4-acetoxy-2-methyl-2-butenal.	20-04-91	47/21.	32-F ₃ (a) & 55-F.	I.C.
168544 (938/Cnl/87)	30-11-87	MITSUMI PETROCHEMICAL INDUSTRIES LTD.	Process for production of high purity terephthalic acid.	20-04-91	51/16, 51/235, 63/26.	32-F ₃ (b).	F.C.
168556 (820/Cal/87)	21-10-87	HOECHST AKTIENGESSELLSCHAFT.	A process for the simultaneous preparation of fatty acid nitrile and glycerol.	27-04-91	31/22, 121/14, 121/30.	32-F ₂ (c), 32-F ₃ (c).	F.C.
168596 (736/Mas/86)	17-09-86	HENKEL KOMMANDIT GESELLSCHAFT AUF AKTIEN.	A process for preparing a fabric treatment agent.	04-05-91	103/127.	32-F ₂ (c) & 62-A. -Groups-IX(1) & XXII(1).	F.C.

1	2	3	4	5	6	7	8
168610 (240/Bom/89)	28-08-89	CAMPBOR AND ALLIED PRODUCTS	A process for the preparation of 4, 15-epoxylongifolane.	04-05-91	13/54, 13/547.	32-F ₃ (a)- IX(1).	I.C.
168627 (996/Cal/87)	15-12-88	IEL LIMITED.	An improved process for the preparation of saturated and unsaturated fatty alcohols and diols from carbonyl compounds.	11-05-91	27/00, 29/00, 31/00, 33/00.	32-B.	I.C.
168668 (751/Mas/87)	19-10-87	INSTITUT FRANCAIS DU PETROLE.	A process of producing an olefin polysulfide composi- tion.	18-05-91	148/00, 149/00.	32-F ₄ -Group- IX(1).	F.C.
168706 (55/Del/87)	28-01-87	UOP INC.	Process for the production of xylene isomers.	25-05-91	2/00, 4/00.	32-B.	F.C.
168729 (534/Del/88)	21-06-88	COUNCIL OF SCIENTI- FIC AND INDUSTRIAL RESEARCH.	An improved process for the preparation of nojirimycin (5-deoxy-5-imino- α -D-glucitol) and its analogues (5-deoxy- 5-imino sugar alditols).	25-05-91	37/01.	55-E-4.	I.C.
168745 (1010/Mas/86)	24-12-86	HENKEL KOMMANDI- TGESELLSCHAFT AUF AKTIEN.	A process for preparing sulfited fats.	01-06-91	143/90.	32-F ₃ (a)- Group-IX(1).	F.C.
168790 (78/Bom/89)	27-03-89 ante dated to 24-07-86	SEARLE (INDIA) LTD.	A process for the preparation of aroyl ureas from aroyl- thioureas.	08-06-91	127/00.	32-F ₁ -IX(1)- 32-F ₂ (a) IX(1)- 55-D ₂ -XIX(1).	I.C.
168800 (525/Del/88)	15-06-88	EMC CORPORATION.	A process for converting a starting mixture of crystalliz- able pyrethroid isomers to desired more pesticidally active isomers.	08-06-91	69/612.	32-F ₂ (a).	F.C.
168801 (603/Cal/86)	26-08-86	HOECHST AKTIEN- GESELLSCHAFT.	Process for the preparation of halophenyl hydroxyethyl sulfides.	08-06-91	149/34, 149/36.	32-F ₁ .	F.C.
168810 (808/Cal/88)	29-09-88	HOECHST AKTIEN- GESELLSCHAFT.	Process for the preparation of hydroxyethylsulfonylnitro- and hydroxyethylsulfonylami- nobenzoic acids.	08-06-91	79/36, 101/42.	32-F ₂ (a).	F.C.
168880 (776/Del/88)	14-09-88	RANBAXY LABORA- TORIES LIMITED.	An improved process for the preparation of α -deoxytetra- cycline.	29-06-91	103/19.	32-F ₂ (a); 35-E ₄ .	I.C.
168940 (811/Cal/90)	18-09-90	ICI INDIA LIMITED.	An improved process for the catalytic hydrogenolysis of the sodium salt of hydroxy mandelic acid to hydroxy phenylacetic acid.	20-07-91	51/377, 59/52.	32-F ₃ (b).	I.C.
169005 (412/Cal/87)	25-05-87	TEXACO DEVELOP- MENT CORPORATION.	A process for the production of gaseous mixtures compris- ing H ₂ -CO by the partial oxidation of a fuel feedstock.	10-08-91	7/00.	40-E.	F.C.
169009 (531/Cal/87)	10-07-87	INSTITUT NEFTEKH- IMICHESKOGO SIN- TEZA IMENI A. V. TOPCHIEVA AKADEMII NAUK SSSR.	Method of preparing methanol.	10-08-91	31/04.	32-F ₃ (c).	F.C.
169023 (135/Cal/88)	15-02-88	TOYO ENGINEERING CORPORATION.	Improved urea synthesis process having stripping type solution recycled step.	17-08-91	126/00, 127/00.	32-F ₂ (c).	F.C.

1	2	3	4	5	6	7	8
169052 (398/Cal/88)	17-05-88	PENNWALT CORPO- RATION.	A method for preparing A (C ₁ -C ₆) alkanedisulfonic acid.	24-08-91	143/04.	32-F ₃ .	F.C
169056 (575/Cal/88)	08-07-88	1. MITSUI TOATSU CHEMICALS, INCOR- PORATED, 2. KYOWA GAS CHEMICAL INDUSTRY CO. LTD.	Method for the production of methacrolein.	24-08-91	47/22.	32-F ₃ (a).	F.C.
169078 (270/Cal/90)	02-04-90 ante dated to 22-06-87	E. I. DU PONT DE NEMOURS AND COM- PANY.	A process for producing di- methylamine.	31-08-91	85/00.	32-F ₂ (c).	F.C.
169088 (696/Cal/89)	25-08-89 ante dated to 06-02-87	HOECHST AKTIEN- GESELLSCHAFT.	A process for the preparation of nitrogen zene and aniline compounds containing a sulfonyl group.	31-08-91	87/52.	32-F ₃ .	F.C.
169120 (44/Del/87)	21-01-87	UNION RHEJNISCHE BRAUNKOHLN KRA- FTSTOFF A.G.	Process for the production of hydro-carbons.	07-09-91	7/10.	140-B ₃ .	F.C.
169195 (1042/Del/88)	29-11-88 ante dated to 02-09-86	ADDITIONAL SECRE- TARY, DEFENCE RESEARCH, MINISTRY OF DEFENCE, GOVERN- MENT OF INDIA.	An improved process for the preparation of dialkyl aryl acetamides.	14-09-91	103/00.	32-F ₂ (a).	I.C.
169197 (03/Mas/87)	05-01-87	UNITED DISTILLERS PLC.	An apparatus for preparing ethanol substantially free of water from a mixture contain- ing water and ethanol.	14-09-91	27/26, 27/32.	40-E-Group- IX(1).	F.C.
169220 (225/Mas/87)	27-03-87	LABORATORIES FLOK S.A.	Process for the industrial preparation of amino acids by the hydrolysis of proteins in a sulphuric acid medium.	14-09-91	99/02.	32-F ₂ (c), Group-IX(1).	F.C.
169221 (8/Mas/87)	06-01-87	ATOCHEM.	Process for the preparation of polyfluoro alkylthiomethyl compounds.	14-09-91	27/18, 27/20.	32-E-Group- IX(1).	F.C.
169231 (191/Del/85)	08-03-85	CIBA-GEIGY AG.	Process for the preparation of glycidyl ethers.	14-09-91	41/00.	32-F ₁ & 32-F ₃ (a).	F.C.
169235 (926/Del/85)	05-11-85	THE LUBRIZOL CORPORATION.	A process for preparing an N-acylated amino hydro- carbonyl sulfonic acid deri- vatives.	14-09-91	143/155.	32-F ₂ .	F.C.
169244 (248/Bom/88)	30-08-88	INDIAN PETROCHEMI- CALS CORPN. LTD.	A process for the production of P-xylene and O-xylene by the catalytic isomerisation of alkyl aromatic hydrocarbons.	14-09-91	5/00, 5/02, 5/13.	32-B-IX(1).	I.C.
169278 (252/Del/88)	29-03-88 ante dated to 25-06-85	INSTITUT ELEMENTO- ORGANICHESKIKH SOEDINENY IMENI A. N. NESMEY ANOVA AKADEMI NAUK SSSR. YAROSLAVSKY POLI- TEKHNI CHESKY INS- TITUT.	A process for producing bis (naphthalic) dianhydrides.	21-09-91	51/54.	32-F ₃ (d).	F.C.
169362 (211/Mas/87)	24-03-87	ENIRICERCHIE S.P.A. ENICHEM AUGUSTA S.P.A.	Process for the extraction of paraffins from mixtures of paraffins with alkane- sulphonic acids.	05-10-91	7/10.	40-F-Group- IV(1).	F.C.

1	2	3	4	5	6	7	8
169398 (231/Mas/87)	31-03-87	CATALYTICA ASSOCIATES.	An improved process for conversion of an olefin into its isomers.	12-10-91	5/00.	32-B-Group-IX (1).	F.C.
169438 (477/Cal/87)	18-06-87	AMERICAN CYANAMID COMPANY.	Method for the preparation of anilnofumarate.	19-10-91	87/50.	32-F ₂ (a) 55-D ₂ .	F.C.
169497 (307/Cal/88)	15-04-88	INSTITUT KHIMICHESKOI FIZIKI AKADEMII NAUK SSSR. GROZENSKYK FILIAL OKHTINSKOGO NAUCHNO-PROIZVODSTVENNOGO OBIEDINENIA "PLASTPOLIMER". PROIZVODST-VENNOE OBIEDINENIT "STAVROPOLIMER".	Method of preparing 1-butene and/or hexenes.	26-10-91	2/08.	32-B& 40-B.	F.C.
169520 (464/Cal/88)	07-06-88	E.I. DU PONT DE NEMOURS AND COMPANY.	A refrigerant having halo-carbon blends.	02-11-91	17/00, 17/154.	32-F ₁ 50/B.	F.C.
169546 (311/Del/87)	10-02-89	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	An improved process for the preparation of chloramphenicol-2, 2-Dichloro-N-(2-Hydroxy-1-(Hydroxy-methyl)-2-(4-Nitrophenyl) ethyl acetamide.	09-11-91	102/02.	—	I.C.
(610/Cal/88)	21-07-88	HODOGAYA CHEMICAL CO. LTD.	Process for producing a benzamide derivative.	09-11-91	102/00, 103/78.	32-F ₁ & 55-D ₂	F.C.
169564 (379/Mas/87)	22-05-87	DAVY MCKEE(LONDON) LIMITED.	A continuous process for liquid phase hydrogenation of an unsaturated organic compound into corresponding hydrogenated product.	09-11-91	29/132.	32-F ₃ (c)- Group-IX(1).	F.C.
169648 (1153/Del/87)	31-12-87	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A process for the preparation of 1-[4-(3-Tolyl)-Piperazine-1-yl]-3-thio (4-substituted phenyl) propanes.	30-11-91	9/08.	55-E ₄ .	I.C.
169670 (328/Mas/87)	06-05-87	SNAMPROGETTI SPA.	An improved process for preparing alkyl-tert-butyl ethers.	30-11-91	41/05, 41/34.	32-F-3(a)- Group-IX(1).	F.C.
169678 (663/Cal/88)	04-08-88	AUSTRAL-PACIFIC FERTILIZERS LTD.	Process for enhanced urea production.	30-11-91	126/02.	32-C.	F.C.
169685 (1070/Del/85)	17-12-85	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	Process for the preparation of dimerization products from aliphatic mono-olefins.	07-12-91	2/08	32-E.	F.C.
169687 (196/Del/86)	26-05-87	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	An improved process for the preparation of 1, 1, 1-trichloro-4-methylpent-3-ene-2-yl diazoacetate.	07-12-91	113/00.	32-F ₂ (c).	I.C.
169702 (490/Mas/87)	10-07-87	UNION CARBIDE CORPORATION.	An improved non-aqueous hydroformylation process for producing aldehydes	14-12-91	45/49.	32-F ₃ (a)- Group-IX(1).	F.C.
169727 (373/Mas/87)	20-05-87	UNION CARBIDE CORPORATION.	An improved liquid recycle hydroformylation process for producing aldehyde.	41-12-91	45/49, 47/00	32-F ₃ (a)- Group-IX(1).	F.C.

1	2	3	4	5	6	7	8
169746 (651/Del/87)	13-07-88	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A facile enzymatic resolution process for the preparation of R-(—)-1, 1, 1-Trichloro-2-hydroxy-4-methyl-3-pentene.	14-12-91	33/42.	32-F ₁ .	I.C.
169757 (1050/Cal/89)	19-12-89	HODOGAYA CHEMICAL CO. LTD.	Process for producing novel benzamide derivatives useful as plant growth regulants.	21-12-91	103/00.	33-Ha, 55-D ₂ .	F.C
169787 (496/Mas/87)	14-07-87	ENIRICERCHE S.P.A. ENICHEM AUGUSTA S.P.A.	A process for extracting C ₁₂ -C ₁₈ normal paraffins from their mixtures with C ₁₂ to C ₁₈ alkanesulphonic acids.	21-12-91	7/10.	40-F-Group-IV(1).	F.C.
169788 (495/Mas/87)	14-07-87	ENIRICERCHE S.P.A. ENICHEM AUGUSTA S.P.A.	A process for extracting C ₁₂ -C ₁₈ normal paraffins.	21-12-91	7/10.	40-F-Group-IV(1).	F.C
169789 (494/Mas/87)	14-07-87	ENIRICERCHE S.P.A. ENICHEM AUGUSTA S.P.A.	A process for extracting C ₁₂ -C ₁₈ normal paraffins.	21-12-91	7/10.	40-F-Group-IV(1).	F.C.
169816 (261/Del/88)	30-03-88 ante dated to 05-03-86	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	An improved process for the preparation of 1, 1, 1-trichloro-4-methyl-pent-3 ene-2-yl diazoacetate.	28-12-91	113/04.	32-F ₁ .	I.C.
169818 (384/Del/89)	01-05-89	WISCONSIS ALUMNI RESEARCH FOUNDATION.	A process for preparing vitamin-D compounds.	28-12-91	172/00.	32-F ₄ .	F.C.
169825 (131/Bom/89)	16-05-89	HINDUSTAN LEVER LIMITED.	A process for the hydrogenation of higher nitriles to amines.	28-12-91	87/00, 87/02.	40-B-II(1) 32-F ₂ C-IX(1).	I.C.
169836 (283/Cal/89)	12-04-89	LABORATORI GUIDOTTI S.P.A.	Process for the preparation of amides of cyclomethylen-1, 2-bicarboxylic acids having therapeutical activity.	28-12-91	103/19.	32-F ₂ a; 55-E ₄	F.C.
169846 (520/Mas/87)	21-07-87	MOBIL OIL CORPORATION.	A catalytic process for converting an ethene-containing lower olefinic feed-stock to a heavier liquid hydrocarbon product.	28-12-91	2/12.	32-B-Group-IX(1).	F.C.

C 07 D : Heterocyclic compounds.

167926 (646/Cal/87)	17-08-87	AMERICAN CYANAMID COMPANY.	Novel method for the preparation of quinoline-2, 3-dicarboxylic acids.	12-01-91	215/00	32-F ₂ (b.)	F.C.
167932 (373/Del/86)	23-07-87	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A process for the preparation of 2, 7-Diamidinoxanthone-thioxanthone.	12-01-91	407/00, 409/00.	32-F ₂ (b).	I.C.
167968 (187/Bom/89)	10-07-89	SHRINIVAS P. ACHARYA AND RAVINDRA B. PALKAR.	An improved process for the synthesis nordiazepam.	12-01-91	243/14, 243/16, 243/24.	32-F ₁ -IX(1), 55-E ₄ -XIX(1)	I.I.
167970 (295/Bom/89)	01-11-89	HOECHST INDIA LIMITED.	A process for the preparation of novel pharmacologically active 6-substituted poly-oxygenated labdane derivatives.	12-01-91	311/00, 311/02.	32-F ₃ d-IX(1), 55E ₄ -XIX(1).	I.C.

1	2	3	4	5	6	7	8
168148 (839/Mas/88)	25-11-88 ante dated to 19-03-87	TAKEDA CHEMICAL INDUSTRIES LTD.	A process for producing a codensed heterocyclic sul- fonyl urea compound.	09-02-91	401/00, 471/00.	32-F ₂ (b)-IX(1).	F.C.
168181 (265/Bom/87)	16-11-88	HOECHST INDIA LIMITED.	A process for the preparation of novel polyoxygenated lab- dane derivatives.	16-02-91	311/00.	32-F ₁ -IX(1) +55-E ₄ -XIX.	I.C.
168346 (783/Del/87)	07-12-87	COUNCIL OF SCIENTI- FIC AND INDUSTRIAL RESEARCH.	Improved process for the manufacture of erythroscine/ eosin from fluorescein.	16-03-91	307/91.	32-F ₁ .	I.C.
168350 (449/Del/88)	20-05-88	UNIROYAL CHEMICAL COMPANY INC.	A process for preparing a 2- quinoxalino compound.	16-03-91	215/00.	32-F ₂ (b)-IX(1).	F.C.
168401 (266/Bom/87)	17-11-88	HOECHST INDIA LIMITED.	A process for the preparation of novel poly-oxygenated lab- dane derivatives having phar- macological properties.	30-03-91	311/00.	32-F ₁ -IX(1); 55-E ₄ -XIX(1).	I.C.
168420 (1160/Del/87)	31-12-87	COUNCIL OF SCIENTI- FIC AND INDUSTRIAL RESEARCH.	A process for the synthesis of DL-2 substituted-1, 2, 3, 4- tetrahydro-9H pyrido (3, 4-b) indole-3-carboxylic acids.	30-03-91	209/04.	32-F ₂ .	I.C.
168450 (697/Cal/87)	02-09-87	AMERICAN CYNAMID COMPANY.	Method for the preparation of pyridine -2, 3-dicarboxylic acids.	06-04-91	213/00.	32-F ₃ .	F.C.
168494 (864/Cal/87)	03-11-87	AMERICAN CYNAMID COMPANY.	A process for the preparation of 4-cyano-4-(Fluoro phenyl)- 3-(substituted phenyl) butyric acid, esters and derivatives thereof.	20-06-91	207/00.	32-F ₂ ; 55-D ₂ .	F.C.
168567 (282/Cal/89)	12-04-89	HOECHST AKTIEN- GESELLSCHAFT.	Process for the preparation of quinoxalones.	27-04-91	215/12, 215/26.	32-F ₂ .	F.C.
168676 (177/Cal/89)	02-03-89 ante dated to 01-03-85	MEDIOLANUM FAR- MACEUTICI SRL.	Process for the preparation of pyrido benzothiazine deriva- tives.	18-05-91	279/10.	32-F ₂ (b); 55-E ₂ , E ₄ .	F.C.
168702 (662/Del/86)	14-09-87	COUNCIL OF SCIENTI- FIC & INDUSTRIAL RESEARCH.	An improved process for the production of alpha and gamma picoline through catalytic vapour phase cyclo- dehydrogenation reaction of acetaldehyde and ammonia.	25-05-91	213/10.	32-F ₂ b	I.C.
168720 (294/Bom/89)	01-11-89	HOECHST INDIA LIMITED.	A process for the preparation of novel pharmacologically active 2-hydroxy acetoxy sub- stituted poly-oxygenated lab- dane derivatives.	25-05-91	311/00, 311/02.	32F ₃ (d)- IX(1); 55E ₄ -XIX(1).	I.C.
168740 (363/Cal/89)	11-05-89 ante dated to 01-03-85	MEDIOLANUM FARM- ACEUTICI SRL.	Process for the preparing a pyridobenzothiazine deriva- tive having antimicrobial activity.	25-05-91	279/10.	32-F ₂ (b); 55-E ₂ , E ₄ .	F.C.
168784 (234/Bom/88)	09-06-89	HINDUSTAN CIBAGEI- GY LIMITED.	A new process for the manu- facture of benzimidazole carbamates.	08-06-91	235/00.	32F ₁ +32- F ₂ (b)-IX(1) 55E ₄ -XIX(1).	I.C.
168792 (1037/Del/86)	27-11-86	WARD BLUNKINSOP & COMPANY LIMITED.	Process for the preparation of thioxanthone derivatives.	08-06-91	495/00.	32F ₂ (b).	F.C.

1	2	3	4	5	6	7	8
168799 (455/Del/88)	23-05-88	SOCIETE DE CONSEILS DE RECHARCHES ET APPLICATIONS SCIENTIFIQUES (S.C.R.A.A.S.)	A process for preparing tetrahydrofurans and tetrahydrothiophenes.	08-06-91	307/06, 333/08.	32F ₂ (b)- IX(1).	F.C.
168876 (688/Del/87)	06-08-87	PEIZER INC.	A process for preparing pyrido-phymidine diones and pharmaceutically acceptable acid addition salt thereof.	29-06-91	239/46.	32-F ₂ (b)- IX(1).	F.C.
168877 (1080/Del/87)	16-12-87	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A process for the synthesis of 2, 7 DI-8-(4-fluoro-benzoyl propyl) 1, 2, 3, 4, 6, 6a, 7, 11b, 12, 12a-decahydro-pyrazino (2', 1' : 6, 1) pyrido (3, 4-b) indole useful as potential cns depressant agents.	29-06-91	209/04.	32F ₁ .	F.C.
168879 (418/Del/88)	11-05-88	PFIZER INC.	A method of preparing crystalline azithromycin dihydrate.	29-06-91	493/00	55-E.	F.C.
168890 (67/Mas/87)	02-02-87	HENKEL KOMMANDITGE-SELISCHAFT AUF AKTIEN.	A process for the production of quaternary 2-alkyl-2-imidazolium salts.	06-07-91	233/20.	32-F ₂ (b); GROUP-IX (1).	F.C.
168976 (668/Cal/87)	25-08-87	DEGUSSA AKTIENGESSELLSCHAFT.	A process for the production of sulphur containing triazine compounds.	03-08-91	251/38.	32-F ₄ .	F.C.
169080 (601/Cal/90)	18-07-90	BOECHST AKTIENGESSELLSCHAFT.	An improved process for the preparation of 2, 6-dichloro-quinoline.	31-08-91	1215/00.	32F ₁ ; 55-D ₂ .	F.C.
169093 (199/Cal/87)	11-03-87	DEGUSSA AKTIENGESSELLSCHAFT.	A process for the preparation of N, N'-substituted Bis-(2, 4-diamino-s-triazin-6-yl)-tetrasulfides	07-09-91	251/52	32F ₂ (b).	F.C.
169128 (631/Del/87)	24-07-87 ante dated to 22-01-85	PFIZER INC.	A process for preparing 2-oxinodole compound.	07-09-91	209/04.	32F ₁ & 32-F ₂ (b)	F.C.
169175 (07/Del/88)	05-01-88	SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS SCIENTIFIQUES (S.C.R.A.A.S.)	A process for the preparation of tetrahydrofuran derivatives.	14-09-91	307/08	32 F ₃ (a)	F.C.
169234 (634/Del/85)	02-08-85	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	Improvements in or relating to the process for preparation of 3-acyloxy isoxazole derivatives.	14-09-91	263/14	32-F ₂ bIX(1) 55-D ₂ XIX(1).	F.C.
169276 (172/Del/88)	08-03-88 ante dated to 25-06-85	INSTITUT ELEMENT-ORGANICHESKIKH SOEDINENY DIENI NESMEINNOVA AKADEMII NAUK SSSR.	A process for producing poly (naphthoylenebenzimidazoles).	21-09-91	209/56.	32-F 2b.	F.C.
169467 (178/Mas/89)	03-03-89	EGIS GYOGYSZER- GYAR.	An improved process for producing cytokins from living cells.	19-10-91	473/00.	55-F-GROUP- XIX(1).	F.C.
169589 (919/Del/87)	20-10-87	SHELL INTERNATIONALE RESEARCH MAATSCHAPPI B.V.	Improved catalyst composition for use in the production of ethylene oxide.	16-11-91	301/10, 303/04.	40-B.	F.C.
169639 (551/Cal/88)	04-07-88	QUANTUM CHEMICAL CORPORATION.	Improved process for the preparation of substituted furanones.	23-11-91	307/00, 307/93, 307/935.	32F3(d).	F.C.

1	2	3	4	5	6	7	8
169649 (452/Del/88)	23-05-88	SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS SCI- ENTIFIQUES (S.C.R.A.S.),	Process for the preparation of new tetra-hydrofurans and tetra-hydrothiophenes.	30-11-91	307/08, 333/08.	32-F.	F.C.
169684 (881/Del/85)	22-10-85	LIPHA, LYONNAISE INDUSTRIELLE PHAR- MACEUTIQUE.	Process of preparation of thieno and furo-(2, 3-c) pyroles.	07-12-91	209/60.	32-F ₂ b.	F.C.
169688 (195/Del/86)	26-05-87	COUNCIL OF SCIENTI- FIC AND INDUSTRIAL RESEARCH.	Improvements in or relating to the process for the prepa- ration of -lactone of -2, 2- dimethyl-3-(2,2,2-trichloro-1- hydroxyethyl) cyclopropane carboxylic acid.	07-12-91	307/00.	32-F ₁ .	I.C.
169817 (639/Del/88)	27-07-88	NISSAN CHEMICAL INDUSTRIES LTD.	A method of preparing a novel 3-(2H)-pyridazinone derivative.	28-12-91	237/00, 237/04, 237/14.	32-F ₂ (b) 55-D ₂ .	F.C.
169838 (348/Cal/89)	09-05-89	LUXEMBOURG INDUS- TRIES (PAMOL) LTD.	A process for producing 3,5,6- trichlorophyridin-2-ol and alkali metal and alkaline earth metal salts thereof.	28-12-91	213/08.	32-F ₁ + 55-D ₂	F.C.

C 07 F : Acyclic, carbocyclic or heterocyclic compounds containing elements other than carbon, hydrogen halogen, oxygen, nitrogen, sulphur, selenium or tellurium.

168255 (134/Cal/88)	15-02-88	ASAHI KASEI KOGYO KABUSHIKI KAISHA.	A process for preparing phos- phona -midothionate deri- vatives.	02-03-91	9/36.	32-F ₁ , F ₂ (a), F ₂ (c), 55-D ₂ .	F.C.
168672 (999/Cal/87)	28-12-87	HIMONT INCORPORA- TED.	Process for preparing com- plexes or mixtures of comple- xes of bismuth and antimony.	18-05-91	9/90, 9/94.	32-D & 32-F ₄ .	F.C.
168762 (550/Cal/87)	13-05-88	M & T CHEMICALS INC.	Method of preparing organo- tin compounds containing fluorine.	01-05-91	7/22.	32-D.	F.C.

C 07 G : Compounds of unknown constitution

167980 (1039/Del/87)	10-12-87	PFIZER INC.	Process for production of avermectins.	9-01-91	11/00.	32-F.3.c-IX(55-E ₂ -XIX(1), 55-E ₄ .	
168248 (717/Cal/88)	26-08-88 ante dated to 26-06-85	FIDIA S.P.A.	A process for the preparation of a ganglioside derivative.	23-02-91	17/00.	32-C.	F.C.
168372 (157/Del/87)	24-02-87	FEILIPPE SALETE.	Process for obtaining high purity mucilage from planta- go psyllium seeds.	23-03-91	17/00.	55-E. 4; 32-C.	F.I.
168537 (1129/Del/87)	28-12-87	COUNCIL OF SCIENTI- FIC & INDUSTRIAL RESEARCH.	A process for the preparation of sustained release injectable rifampicin.	20-04-91	11/00.	55-E ₂ +E ₄ - XIX(1).	I.C.
169837 (319/Cal/89)	25-04-89 ante dated to 01-06-87	FUROCELTIQUE, S.A.	Method of making a core or matrix useful for controlled release pharmaceutical com- positions for oral adminis- tration.	28-12-91	17/00.	55-E ₄ ; 55-H.	F.C.

1	2	3	4	5	6	7	8
C 07 H : Sugars, Derivatives thereof, Nucleosides, Nucleotides, Nucleic acids.							
168260 (245/Cal/89)	30-03-89	1. INSTITUT MORFOLOGII CHELOWEKA AKADEMI MEDITS INSKIKH NAUK-SSSR. 2. MEZHOTRASLEVOI NAUCHNO-TEKHNIC- HESKY KOMPLEX "MIKROKHIRURGIA GLAZA"-USSR.	An improved method for preparing the mixture of ribonucleotides.	02-03-91	19/00, 21/00.	32-C.	F.C.
168410 (280/Bom/89)	19-07-90	HOECHST INDIA LIMITED.	A process for the production of a novel antibiotic alisamycin from a novel microbial strain streptomyces species culture number hil Y-88, 31582, its mutants or variants.	30-03-91	15/238	55-E ₄ - XIX(1).	I.C.
169314 (111/Mas/87)	18-02-87	SOCIETE DES PRODUITS NESTLE S.A.	A process for preparing dry amino sugar carbonating agent	28-09-91	5/06.	32-F2 (2)-(c) GROUP-IX (1).	F.C.
C 07 K : Peptides; Proteins							
168116 (622/Cal/87)	11-08-87	GENERAL FOODS CORPORATION.	A process for the preparation of L-aminodicarboxylic acid esters.	09-02-91	5/00.	32-F ₂ (b).	F.C.
169383 (88/Cal/88)	02-02-88	DR. NIHARENDU BIKAS SINHA.	Novel process for synthesis of synthetic lignoprotein complex-useful for maintenance of soil fertility.	05-10-91	15/00.	32-C, 123.	I. I.
169467 (178/Mas/89)	03-03-89	EGIS GYOGYSZER- GYAR.	An improved process for producing cytokins from living cells.	19-10-91	15/00.	55-F- GROUP- XIX(1).	F.C.
169468 (179/Mas/89)	03-03-89	EGIS GYOGYSZER- GYAR.	A process for the preparation of human leukocyte interferon.	19-10-91	15/26.	32-C- GROUP- IX(1).	F.C.
C 08 : ORGANIC MACROMOLECULAR COMPOUNDS; THEIR PREPARATION OR CHEMICAL WORKING-UP COMPOSITIONS BASED THEREON.							
C 08 B : Polysaccharides; Derivatives thereof							
167879 (652/Mas/86)	12-08-86	RHONE-POULENC SPECIALITIES CHIMIQUES.	A process for the preparation of a modified polysaccharide of microbial origin.	02-01-91	37/00.	32-E- GROUP- IX(1).	F.C.
168086 (213/Cal/87)	13-03-87	DEGUSSA AKTIENGE- SELLSCHAFT.	A process for a dry cationization of galactomannan.	02-02-91	37/00.	32-E.	F.C.
168347 (951/Del/87)	30-10-87	DORR-OLIVER IN- CORPORATED.	A process for producing starch from cereals.	16-03-91	30/04, 30/20	I-E- XLII(1).	F.C.
168370 (865/Mas/88)	02-12-88 ante dated to 06-08-85	MICHELIN RECHER- CHE ET TECHNIQUE S.A.	A method of manufacturing an artical such as a fibre or film having a base of at least one cellulose derivative.	23-03-91	15/00	32-F- GROUP- IX(1).	F.C.

1	2	3	4	5	6	7	8
168507 (79/Cal/88)	29-01-88	HI-TECH POLYMERS INC.	A process for preparing a poly (alkyl ether) of a polygalactomannan.	13-04-91	11/00, 11/02.	34-D	F.C.
169470 (435/Mas/89)	02-06-89	ITALFARMACO S.P.A.	A process for the preparation of salts of glycosaminoglycans.	19-10-91	37/00.	32-C- GROUP- IX(1)	F.C.
169654 (370/Cal/88)	07-07-88	DEGUSSA AKTIEN- GESELLSCHAFT.	Process for dry cationiza- tion of galactomannan (ii).	30-11-91	37/00.	32-F ₃ , 182-C.	F.C.
C 08 C : Treatment or chemical modification of rubbers.							
168101 (375/Del/86)	01-07-86	THE FIRESTON TIRE & RUBBER COMPANY.	Process for extracting a rubber fraction of high mole- cular weight from guayule raw rubber.	02-02-91	3/00.	104-J, 104-C & 32E	F C
C 08 F : Macromolecular compounds obtained by reactions only involving carbon-to carbon unsaturated bonds.							
167872 (315/Mas/86)	03-07-86	SUN CHEMICAL COR- PORATION.	A process for preparing an aqueous polymer emulsion suitable for using as a binder of fibres or fabrics.	05-01-91	210/00, 212/00, 214/00, 220/00	32-E.	F.C.
167891 (297/Del/86)	31-03-86	SOCIETE NATIONALE DES POUDRES ET EXPLOSIFS.	Process for the manufacture of polymers which conduct electric current from poly- mers containing ethylenic unsaturations.	05-01-91	4/42	32-E	F.C.
167900 (1108/Del/86)	17-12-86	SOCIETE CHIMIQUE DES CHARBONNAGES.	Process for manufacturing compositions of modified polymers of ethylene.	05-01-91	110/00	32-E IX(1)	F.C.
167916 (846/Del/86)	24-09-86	UNIROYAL CHEMICAL COMPANY INC.	Process for producing copo- lymers of ethylene : alph- aolefin and non-conjugated polyene.	05-01-91	210/00	32-EIX(1)	F.C.
167917 (923/Del/86)	20-10-86	SHELL INTERNATIO- NALE RESEARCH MAATSCHAPPIJ B.V.	Process for the preparation of copolymers of carbon mono- xide ethene and olefini- cally unsaturated hydro- carbons.	05-01-91	210/00, 210/02	32-E	F.C.
167333 (445/Del/86)	19-05-96	IMPERIAL CHEMICAL INDUSTRIES PLC.	Process for producing a copolymer comprising PHB and PHV monomers.	12-01-91	220/02	32-E	F.C.
167960 (706/Del/87)	14-08-87	SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH	A process for modifying styrene butadiene styrene block copolymers	12-01-91	236/06, 8/00.	32-E	F.C.
167972 (584/Del/86)	02-07-86	THE GOODYEAR TIRE & RUBBER COMPANY.	Siloxane containing network polymer.	19-01-91	2/14	32-E.	F.C.
167994 (587/Del/86)	25-06-86	SHELL INTERNATIO- NALE RESEARCH MAATSCHAPPIJ B.V.	Process for the anionic poly- merization of monomers	19-01-91	2/26	32-E.	F.C.
167999 (749/Del/87)	23-03-87	THE B.F. GOODRICH COMPANY	A process for the produc- tion of low molecular weight copolymers.	19-01-91	214/06, 218/08	32-E.	F.C.

1	2	3	4	5	6	7	8
168033 (709/Mas/86)	02-09-86	ATOCHEM.	A process for the preparation of a homo or copolymer vinyl chloride latex.	26-01-91	114/06, 214/06.	32-E. GROUP- IX(1).	F.C.
168036 (720/Mas/86)	08-09-86	FORMICA CORPORATION.	A process for producing a castable thermosetting resin,	26-01-91	283/00.	32-E- GROUP- IX(1).	N.C.
168056 (132/Del/87)	16-02-87	SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B. V.	novel catalyst compositions.	26-01-91	4/16, 4/22, 4/30.	40-B.	F.C.
168075 (650/Mas/86)	12-08-86	CIBA-GEIGY A. G.	A process for the manufacture of a crosslinked polymeric hydrogel.	02-02-91	261/04,	32-E & 171- GROUPS IX(1) & XXXVIII(4).	F.C.
168084 (184/Cal/87)	09-03-87	PHILLIPS PETROLIUM COMPANY	A process for preparing a polymodal, craze resistant, low colour transparent linear resinous block copolymer.	02-02-91	293/00.	32-E.	F.C.
168085 (185/Cal/87)	09-03-87	PHILLIPS PETROLIUM COMPANY	A process for preparing a polymodal craze resistant, low colour, transparent linear resinous copolymer.	02-02-91	293/00.	32-E.	F.C.
168170 (588/Del/86)	14-07-87	BP CHEMICALS LIMITED	A process for preparing an olefin polymerisation catalyst	16-02-91	4/00.	40-B.	F.C.
168253 (876/Cal/87)	09-11-87	HIMONT INCORPORATED	A process for preparing components suitable for the (CO) polymerization of alphaolefins.	02-03-91	4/64	40-B.	F.C.
168306 (131/Del/87)	16-02-87	SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B. V.	Process for preparation of copolymers.	09-03-91	4/16, 4/22, 4/30.	32-B; 40F	F.C.
168421 (775/Mas/86)	30-09-86	STAMICARBON B. V.	Process for preparing modified polyethylene.	30-03-91	36/02.	32-E-GROUP- IX(1)	F.C.
168452 (776/Del/86)	29-08-86	UNIROYAL CHEMICAL COMPANY, INC.	Process for the production of ethylene/alpha olefin copolymers.	06-04-91	1/88,	32-E.	F.C.
168456 (1032/Del/86)	26-11-86	THE B.F. GOODRICH COMPANY	Process for preparing a polyclolefin product in the form of a film or a sheet.	06-04-91	10/00.	32-E.- IX(1).	F.C.
168644 (1001/Mas/86)	22-12-86	MONSANTO COMPANY	A fire-resistant thermoplastic composition.	11-05-91	116/34	32-E-GROUP- IX(1)	F.C.
168645 (1002/Mas/86)	22-12-86	MONSANTO COMPANY	A fire resistant interlayer sheet.	11-05-91	116/34	32-E-GROUP- IX(1)	F.C.
168727 (707/Del/87)	14-08-87	SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH.	A process for the preparation of modified styrene butadiene styrene block copolymers.	25-5-91	236/00., 8/00.	32-E.	I.C.
168871 (1050/Del/86)	01-12-86	THE B. F. GOODRICH COMPANY.	Process for preparing a cross-linked polymer such as polycycloolefins for use in electronics.	29-06-91	4/22,	32-RE.- IX(1).	F.C.
168932 (141/Cal/87)	01-12-87	TEXACO DEVELOPMENT CORPORATION	A process for preparing a graft polymer.	29-07-91	253/00 to 267/00, 255/10, 267/10.	32-E.	F.C.

1	2	3	4	5	6	7	8
169003 (255/Cal/87)	31-03-87	DU PONT CANADA INC.	An improved process for the preparation of high molecular weight polymers of alphaolefins.	10-08-91	10/02, 10/14	32-E; 152/E.	F.C.
166069 (01/Cal/89)	02-01-89 ante dated to 31-10-85	SOCIETE CHIMIQUE- DES CHARBONNAGES S.A.	A process for the polymerisation of ethylene or copolymerisation of ethylene with at least one olefine.	31-08-91	2/06, 2/18 10/00, 10/02.	32-E.	F.C.
169126 (274/Del/88)	05-04-88 ante dated to 08-07-85	THE B.E. GOODRICH COMPANY	A process for pelletizing vinyl chloride homopolymer & glass fibers.	07-09-91	14/06.	32-E; 90-I.	F.C.
169161 (02/Mas/87)	02-01-87	UNION CARBIDE CORPORATION.	A thermoplastic polymeric composition useful in the preparation of orthopaedic/orthotic splints.	07-09-91	283/00.	128-B & G-GROUP-XIX (2).	F.C.
169165 (34/Mas/87)	20-01-87	ATOCHEM	A process of making a vinyl chloride copolymer.	07-09-91	214/06.	32-E-GROUP-IX(1)	F.C.
169174 (746/Del/87)	25-08-87	SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH.	A process for the micro-suspension polymerization of Vinyl halides.	14-09-91	14/06	32-E.	I.C.
169268 (1035/Del/86)	26-11-86	SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B.V.	Process for the preparation of linear alternating copolymers of carbon monoxide and ethylene.	21-09-91	110/00.	32-E.	F.C.
169292 (969/Mas/86)	12-12-86	STAMICARBON B.V.	Catalyst system for high-temperature (CO) polymerization of ethylene.	21-09-91	4/06	40-B-GROUP-IV (1)	F.C.
169364 (217/Mas/87)	26-03-87	SOUTHERN PETRO-CHEMICAL INDUSTRIES CORPORATION LTD.	A process of preparing a polymer composition containing amide and carboxylate groups by the polymerization and hydrolysis of acrylamide.	05-10-91	120/56.	32-E.-GROUP IX(1)	I.C.
169376 (1151/Del/86)	30-12-86	THE B.F. GOODRICH COMPANY.	Process for polymerizing vinyl monomers in a thickened aqueous medium.	05-10-91	114/06.	32-E.	F.C.
169378 (745/Del/87)	25-08-87	SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH.	A process for the emulsion polymerization of vinyl halides.	05-10-91	14/06.	32-E.	I.C.
169414 (492/Mas/87)	10-07-87	ATOCHEM	An improved process for the preparation of a vinyl chloride homopolymer.	12-10-91	114/06, 214/06.	32-E-GROUP-IX(1).	F.C.
169484 (283/Mas/87)	15-04-87	ENICHEM ELSTOMERI S.P.A. AND THE GOOD-YEAR TIRE & RUBBER COMPANY	A process for polymerising conjugated diolefin monomers to polymers having CIS 1,4-structure	26-10-91	136/00, 4/00.	32-E-GROUP-IX(1).	F.C.
169521 (240/Mas/87)	02-04-87	ATOCHEM	A process for the preparation of a latex of a homo-or copolymer of vinyl chloride.	02-11-91	114/06, 118/06, 118/06.	32-E-GROUP-IX(1)	F.C.
169560 (622/Cal/88)	27-07-88	DAI-ICHI KOGYO SEIYAKU CO. LTD.	Process for continuously preparing acrylic polymergel.	09-11-91	120/05, 299/02, 2/00.	32-E.	F.C.

1	2	3	4	5	6	7	8
169604 (324/Mas/87)	05-05-87	HOECHST AKTIENGESELLSCHAFT.	A process of preparing a catalyst used in the preparation of a polyolefin.	23-11-91	4/42	40-B-GROUP-IV (1).	F.C.
169641 (41/Del/85)	22-01-85	W.R. GRACE & CO.	An improved method of forming an aqueous solutions of a tannin based polymer.	30-11-91	1/00.	32-E.	F.C.
169721 (465/Mas/87)	26-06-87	COLIN JAMES ANDERSON, AND HONEYOAK INTERNATIONAL PTY. LTD.	A method of preparing an improved water retentive granules of known cross linked acrylamide copolymer.	14-12-91	220/56.	32-E-GROUP-IX(1).	F.I. F.C.
169722 (451/Mas/87)	22-06-87	UNION CARBIDE CORPORATION.	An improved process for polymerizing alpha mono-olefins in a continuous gas phase fluid bed.	14-12-91	10/00. 4/00.	32-E-GROUP-IX(1).	F.C.
C 08 G : Macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds.							
168165 (147/Del/87)	19-02-87	KENRICH PETROCHEMICALS, INC.	A process for re-polymerizing a polymeric material.	16-02-91	65/32.	32-EIX(1).	F.C.
168433 (772/Mas/86)	29-09-86	THE DOW CHEMICAL COMPANY	A method of making coated article by coating a substrate.	06-04-91	59/22, 59/32.	32-E-GROUP-IX(1)	F.C.
168648 (893/Mas/86)	18-11-86	COBARR S.P.A.	An improved process for the continuous production of high molecular weight polyester resin.	11-05-91	63/46.	32-E-GROUP IX(1)	F.C.
168672 (999/Cal/87)	28-12-87	HIMONT INCORPORATED.	Process for preparing complexes or mixtures of complexes of bismuth and antimony.	18-05-91	79/14.	32-D& 32-F4.	F.C.
168778 (931/Mas/86)	08-12-86	AIR PRODUCTS AND CHEMICALS, INC.	A method of producing a treated, semi-permeable, polymeric membrane having improved selectivity for separation of gases from a gas mixture.	01-06-91	77/38.	40-H-GROUP-IV(1)	F.C.
168948 (881/Cal/87)	10-11-87	E. I. DU PONT DE NEMOURS AND COMPANY.	A process for preparing an elastomer.	20-07-91	69/00, 69/14.	32-E,40-F.	F.C.
169127 (441/Del/88)	19-05-88 ante dated to 12-09-85	GURIT-ESSEX AG.	A process for the production of a heat-resistant polymeric resin.	07-09-91	8/28.	32-E.	F.C.
169130 (750 /Del/85)	12-09-85	GURIT-ESSEX AG.	A process for the production of a heat resistant polymeric resin.	07-09-91	8/28.	32-E.	F.C.
169146 (228/Del/87)	18-03-87	IMPERIAL CHEMICAL INDUSTRIES PLC.	Process for preparing polyurea and polyurea/polyurethane polymers.	07-09-91	8/02.	32-F2(c).	F.C.
169161 (02/Mas/87)	02-01-87	UNION CARBIDE CORPORATION.	A thermoplastic polymeric composition useful in the preparation of orthopedic/orthotic splints.	07-09-91	63/00.	128B&GROUP XIX(2)	F.C.
169401 (117/Mas/87)	20-02-87	UNION CARBIDE CORPORATION.	A process for preparing a composition capable of being cross-linked.	12-10-91	63/76.	152-F-GROUPS XII(2)	F.C.

1	2	3	4	5	6	7	8
169466 (791/Mas/87)	02-11-87	COBARR S.P.A.	An improved method for producing high molecular weight polyester resin by solid state polycondensation.	19-10-91	63/26.	32-E-GROUPS-IX(1)	F.C
169501 (164/Del/85)	27-02-85	LORD CORPORATION.	A high build, ambient temperature curable coating composition.	26-10-91	18/02.	144-A.	F.C.
169574 (368/Cal/88)	07-08-89	IEL LIMITED.	Process for the production of novel polymeric isocyanates useful in the preparation of polyurethanes.	16-11-91	18/72	32-E	I.C
169598 (441/Cal/88)	31-05-88	MITSUBUTOATSU CHEMICALS, INCORPORATED.	A method of producing molded article of aromatic polyamide.	16-11-91	69/00.	32-E.	F.C.
169784 (330/Mas/87)	24-07-87	F WILICH BERG UND BAUTECHNIK GMBH & CO.	A process for preparing foamed organomineral materials.	21-12-91	18/00.	152-E-GROUP-XII(2).	F.C.

C 08 H : Derivatives of natural macromolecular compounds.

169383 (88/Cal/88)	02-02-88	DR. NIHARENDU BIKAS SINHA.	Novel process for synthesis of synthetic lignoprotein complex useful for maintenance of soil fertility.	05/10-91	1/00.	32-C; 123	I.I
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C 08 J : Working-up; General processes of compounding; After-treatment not covered by subclasses C 08 B, C.F.G.

168336 (310/Cal/87)	01-07-87	DU PONT CANADA INC.	Composite structures for use as gas barriers and process for preparing the same.	16-03-91	7/06	155-F1	F.C.
168505 (46/Cal/88)	19-01-88 ante dated to 15-10-85	DEGUSSA AKTIENGESSELLSCHAFT.	A novel method of producing vulcanized product.	13-04-91	3/24.	104-P.	F.C.
168532 (20/Del/87)	12-01-87	ROHAM AND HAAS COMPANY.	A process for preparing thermally stable microplastic structures.	20-04-91	5/00. 5/18.	152-F.	F.C.
168535 (304/Del/87)	11-06-87	THE GOODYEAR TIRE & RUBBER COMPANY	A process for preparing a vulcanizing agent for natural and synthetic rubbers.	20-04-91	3/24	104-P- XII(1)	F.C
168551 (192/Cal/87)	10-03-87	DEGUSSA AKTIENGESSELLSCHAFT.	A process for the manufacture of vulcanizable rubber mixture having improved vulcanization characteristics.	27-04-91	3/24.	104-P.	F.C.
68679 (22/Cal/89)	01-06-89 ante dated to 01-04-87	BORDEN INC	A process for making a body that can be pyrolyzed to form a carbonized shape.	18-05-91	5/12.	70-B; 152-F	F.C.
168680 (425/Cal/89)	01-06-89 ante dated to 01-04-87	BORDEN INC.	A process for making a body that can be pyrolyzed to form an electrode suitable for use in the electrolytic production of metal.	18-05-91	5/12.	70-B; 152-F.	F.C.

1.	2	3	4	5	6	7.	8
168840 (305/Cal/88)	13-04-88	HITACHI LIMITED.	A process for producing a prepreg.	22-6-91	5/24.	32-E.	F.C.
168931 (193/Cal/87)	10-03-87	DEGUSSA AKTIENGE- SELLSCHAFT.	An improved process for vulcanizing rubber mixture.	20-07-91	3/24.	104-P.	F.C.
169380 (832/Del/88)	29-09-88 ante dated to 07-01-86	THE GOODYEAR TYRE & RUBBER COMPANY,	Method of manufacturing partially crystalline polyester articles.	05-10-91	5/18.	32-E-P 152-D.	F.C.
169384 (89/Cal/88)	02-02-88	HYDRANAUTICS.	An improved oxidatively resistant membrane, process for making same and method of desalinating a saline water therewith.	05-10-91	5/00, 5/22.	40-F, 201-C.	F.C.
169473 (865/Cal/87)	03-11-87	DUNLOP INDIA LIMITED.	An improved method of smoking and drying of wet natural rubber sheets.	26-10-91	5/00.	104-N.	I. C.
169503 (21/Del/86)	07-01-86	THE GOODYEAR TIRE & RUBBER COMPANY.	Method of manufacturing an amorphous, thermally stable polyethylene modified polyethylene terephthalate sheet.	26-10-91	5/18.	152-D & 32-E.	F.C.
169524 (257/Mas/87)	07-04-87	THE DOW CHEMICAL COMPANY.	A process of separating oxygen from a gas mixture containing oxygen and nitrogen.	02-11-91	5/22.	40-H- Group-IV(1).	F.C.
169525 (258/Mas/87)	07-04-87	THE DOW CHEMICAL COMPANY.	A process for separating oxygen from a mixture of gases containing oxygen and nitrogen.	02-11-91	3/22.	40-H- Group- IV(1).	F.C.
169754 (1025/Cal/89)	12-12-89 ante dated to 11-03-87	DEGUSSA AKTIENGE- SELLSCHAFT.	A process for vulcanization of rubber mixtures.	21-12-91	3/24.	104-P.	F.C.
169780 (421/Cal/90)	22-05-90 ante dated to 10-03-87	DEGUSSA AKTIENGE- SELLSCHAFT.	A process for the manufacture of vulcanizable rubber mixture having improved vulcanization characteristics.	21-12-91	3/24.	104-P.	F.C.
169784 (530/Mas/87)	24-07-87	F. WILlich BERG UND BAUTECHNIK GMBH & CO.	A process for preparing foamed organo mineral materials.	21-12-91	9/00.	152-E- Group-XII(2).	F.C.
C 08 K : Use of inorganic or non-macromolecular organic substances as compounding ingredients.							
168024 (863/Del/86)	30-09-86	UNIROYAL CHEMICAL COMPANY INC.	Blowing agent composition.	26-01-91	3/18.	32-E.	F.C.
168068 (1062/Del/86)	03-12-86	UNIROYAL CHEMICAL COMPANY INC.	Process for producing elastomeric compositions.	26-01-91	13/02.	104-J & P.	F.C.
168320 (726/Cal/87)	10-09-87	UNIVERSITY OF DAY- TON.	A composition useful in thermal energy storage.	09-03-91	5/01, 13/02.	152-C; E.	F.C.

1	2	3	4	5	5	6	8
168535 (304/Del/87)	11-06-87	THE GOODYEAR TIRE & RUBBER COMPANY.	A process for preparing a vulcanizing agent for natural and synthetic rubbers.	20-04-91	3/06. 5/01.	104-- P XII(1).	F.C.
168672 (999/Cal/87)	28-12-87	HIMONT INCORPO- RATED.	Process for preparing com- plexes or mixtures of com- plexes of bis muth and anti- mony.	18-05-91	5/59.	32-D & 32-F ₄ .	F.C.
C 08 L : Compositions of macromolecular compounds.							
167874 (610/Mas/86)	30-07-86	THE DOW CHEMICAL COMPANY.	An epoxy resin composition for preparing electrical laminates.	05-01-91	63/00.	152-E- Group-XII(2).	F.C.
167956 (304/Del/87)	09-04-87	UNIROYAL CHEMICAL COMPANY INC.	A method of producing an elasto mer.	12-01-91	23/26.	152-F- & 32-E.	F.C.
168064 (693/Del/86)	30-07-86	SHELL INTERNATION- ALE RESEARCH MAAT- SCHAPPIJ B. V.	Melt-spinnable for melt- blowable copolymer compo- sition and fibres whenever melt-span or melt- blown therefrom.	26-01-91	101/00.	32-E-IX(1).	F.C.
168211 (36/Cal/84)	17-01-84	DEGUSSA AKTIENGE- SELLSCHAFT.	Process for manufacturing elastic moulding.	23-02-91	7/00, 19/00, 21/00.	152-E.	F.C.
168335 (505/Cal/87)	30-06-87	EDLON PRODUCTS, INC.	A resin based coating com- position.	16-03-91	93/00.	144-B.	F.C.
168443 (609/Cal/87)	05-08-87	PHILLIPS PETROLEUM COMPANY.	An improved water dispersible polymeric composition and a process for preparing the same.	06-04-91	1/26, 3/02, 27/00, 33/00.	32-E; 152-E.	F.C.
168563 (14/Cal/89)	05-01-89 ante dated to 07-04-86	DU PONT CANADA INC.	A composition containing a high molecular weight polymer.	27-04-91	23/00.	32-E; 152-E.	F.C.
168642 (905/Mas/86)	25-11-86	BASF LACKE AND FARBEN AG.	A binder composition for cathodic electro coating.	11-05-91	77/00.	70-C ₇ - & 152-E-Groups -LVIII(5) & XII(2).	F.C.
168643 (904/Mas/86)	25-11-86	BASF LACKE & FARBEN AG.	A binder composition for cathodic electro coating.	11-05-91	77/00.	70-C ₇ & 152-E-Groups LVIII(5) & XII (2).	F.C.
168670 (920/Mas/88)	27-12-88 ante dated to 25-06-85	OWNES-ILLINOIS, INC.	A polymeric composition suitable for making articles such as container preform or sheets.	18-05-91	67/00.	152-E- Group-XII(2).	E.C.
168678 (421/Cal/89)	01-06-89 ante dated to 01-04-87	BORDEN INC.	A composition useful as a tamping and ramming composition adaptable and suitable for use in monoli- thic shape construction.	18-05-91	61/10.	152-D, E,	F.C.
168776 (924/Mas/86)	01-12-86	BASF LACKE + FARBEN AG.	A process for preparation of a binder which is rendered water dilutable by protona- tion with an acid.	01-05-91	63/00.	32-E- Group-LX(1).	F.C.

1	2	3	4	5	6	7	8
168921 (167/Cal/88)	26-02-88	PHILLIPS PETROLEUM COMPANY.	A blend of water soluble polymers.	13-07-91	33/26.	32-E.	F.C.
168946 (875/Cal/87)	09-11-87	VEDRI S.P.A.	Process for preparing low haze impact resistant transparent compositions used in the production of thermofomed transparent articles.	20-07-91	33/08, 33/10, 35/06.	152-E.	F.C.
169003 (255/Cal/87)	31-03-87	DU PONT CANDA INC.	An improved process for the preparation of high molecular weight polymers of alpha olefins.	10-08-91	23/00.	32-E, 152/E.	F.C.
169031 (375/Cal/88)	06-05-88	NORSOLOR.	Thermoplastic compositions.	24-08-91	23/00.	152-E.	F.C.
169094 (291/Cal/87)	10-04-87	E.I. DU PONT DE NEMOURS AND COMPANY.	Method of preparing thermoplastic polyacetal compositions	07-09-91	29/02, 29/04, 29/14.	152-E; 32-E.	F.C.
169178 (50/Mas/87)	27-01-87	AKZO. N.V.	A process for the preparation of a (CO) polymerizable composition containing a diol bis (allyl carbonate) monomer and an aromatic diacyl peroxide.	14-09-91	69/00.	32-E- Group-IX(1).	F.C.
169363 (216/Mas/87)	25-03-87	RHONE POULENCE CHIME.	Stabilized aqueous compositions of water soluble polymers.	05-10-91	1/00, 77/00.	32-E- Group-IX(1).	F.C.
169366 (233/Mas/87)	31-03-87	ENICHEM SYNTHESIS S.P.A.	Liquid composition polymerizable to organic glasses endowed with a high abrasion strength.	05-10-91	101/02.	32-E- Group-IX(1).	F.C.
169590 (1020/Del/87)	30-11-87	SHELL INTERNATIONALE RESEARCH MAATSCHAPPJ B.V.	A process for the preparation of an elastomeric composition.	16-11-91	25/02.	152-EXII(2).	F.C.

C 09 : DYES; PAINTS; POLISHES; NATURAL RESINS; ADHESIVES; MISCELLANEOUS COMPOSITIONS; MISCELLANEOUS APPLICATIONS OF MATERIALS

C 09 B : Organic dyes or closely -related compounds for producing dyes; Mordants; Lakes.

168032 (672/Mas/86)	21-08-86	CASSELLA AKTIENGESSELLSCHAFT.	Dyestuff mixture and a process for preparing the same.	26-01-91	67/22.	62-C ₂ Group-XXII(1).	F.C.
168151 (734/Cal/86)	09-10-86 ante dated to 04-08-83	HOECHST AKTIENGESELLSCHAFT.	Process for the preparation of water-soluble copper complex disazo compounds.	09-02-91	45/28.	32-A ₁ .	F.C.
168217 (945/Cal/87)	02-12-87	HOECHST AKTIENGESSELLSCHAFT.	Process for the preparation of water-soluble copper compounds.	23-02-91	29/085; 41/00.	32-A ₁ .	F.C.
168265 41/Cal/88)	18-01-88	HOECHST AKTIENGESSELLSCHAFT.	Process for the preparation of water-soluble monoazopyrazolone compounds.	02-03-91	37/00, 41/00, 62/53, 62/523.	32-A ₁ .	F.C.
168388 (86/Cal/88)	01-02-88	HOECHST AKTIENGESSELLSCHAFT.	A process for the preparation of copper complex formazan compounds containing a fibre reactive group suitable as dyestuffs.	23-03-91	50/00.	32-A ₁ .	F.C.

1	2.	3	4	5	6	7	8
168508 (87/Cal/88)	01-02-88	HOECHST AKTIENGE- SELLSCHAFT.	Process for the preparation of the lithium salt of a fibre- reactive azo dyestuff;	13-04-91	45/00, 45/12.	32-A ₁ .	F.C.
168527 (709/Cal/88)	23-08-88 ante dated to 25-03-86	HOECHST AKTIENGE SELLSCHAFT.	Process, or the preparation of 4, 4 —Bis diazo amino compounds of 3, 3 —dial- koxy biphenyls.	20-04-91	33/00.	32-A ₁ .	F.C.
168562 (978/Cal/88)	28-11-88 ante dated to 05-11-85	HOECHST AKTIENGE- SELLSCHAFT.	Process for preparing a fibre reactive water soluble monoazo compound.	27-04-91	29/03, 29/08, 29/36, 29/42.	32-A ₁ .	F.C.
168738 (247/Cal/88)	24-03-88 ante dated to 17-03-86	HOECHST AKTIENGE- SELLSCHAFT.	Process for the preparation of water-soluble monoazo and disazo compounds.	25-05-91	27/00, 31/00.	32-A ₉ .	F.C.
168739 (211/Cal/86)	24-03-88	HOECHST AKTIENGE- SELLSCHAFT.	Process for the preparation of water soluble monoazo and disazo compounds.	25-05-91	27/00, 31/00.	32-A ₁ .	F.C.
168816 (304/Bom/89)	09-11-89 ante dated to 14-12-87	JAYSYNTH DYECHAM LIMITED.	A process for the preparation of novel monoazo reactive dyes having three reactive systems.	15-06-91	62/00, 62/006, 62/008.	32-A ₁ , IX(1).	I.C.
168817 (307/Bom/89)	10-01-89 ante dated to 14-12-87	JAYSYNTH DYECHAM LIMITED.	A process for the prepara- tion of novel disazo reactive dyes having two reactive systems.	15-06-91	62/006, 62/01.	32-A ₁ , IX(1).	I.C.
168818 (306/Bom/89)q	10-11-89 ante dated to 14-12-87	JAYSYNTH DYECHAM LIMITED.	A process for the preparation of novel monoazo reactive dyes having a reactive system.	15-06-91	62/006, 62/008.	32-A ₁ , IX(1).	I.C.
168906 (359/Cal/88)	03-05-88	HOECHST AKTIENGE- SELLSCHAFT.	A process for preparing a water-soluble naphthylazo pyrazo lone compounds.	06-07-91	29/36.	32-A.	F.C.
168913 (115/Cal/88)	10-02-88	HOECHST AKTIENGE- SELLSCHAFT.	A process for the preparation of a water-soluble monoazo compound which suitable as a dyestuff.	13-07-91	43/00.	32-A ₁ .	F.C.
168981 (48/Cal/87)	15-01-87	HOESHST AKTIENGE- SELLSCHAFT.	Process for preparing a water-soluble disazo com- pounds.	03-08-91	62/04, 62/09.	32-A ₁ .	F.C.
168993 (327/Cal/87)	24-04-87	E. I. DU PONT DE NEMOURS AND COM- PANY.	A method for the preparation of a pigment consisting essentially of rutile TiO ₂ , particles bearing coating of alumina or almmian silica.	10-08-91	67/08.	144-E ₆ .	F.C.
169058 (649/Cal/88)	02-08-88 ante dated to 17-03-86	HOECHST AKTIENGE- SELLSCHAFT.	Process for the preparation of water soluble azo compounds.	24-08-91	43/00.	32-A ₁ .	F.C.
169059 (650/Cal/88/	02-08-88 ante dated to 17-03-86	HOECHST AKTIENGE- SELLSCHAFT.	Process for the preparation of water soluble azo compounds.	24-08-91	43/00	32-A ₁ .	F.C.
169068 (999/Cal/88)	02-12-88 ante dated to	HOECHST AKTIENGE- SELLSCHAFT.	Process for the preparation of water soluble monoazo pyridone compounds suitable as dyestuffs.	31-08-91	43/18- 43/24, 43/26	32-A ₁ .	F.C.
169076 (702/Cal/89)	28-8-89 ante dated to 08-12-86	HOECHST AKTIENGE- SELLSCHAFT.	A process for preparing water-soluble triphenyldioxa- zine compound.	31-08-91	19/00.	32-A ₂ .	F.C.

1	2	3	4	5	6	7	8
169307 (219/Mas/87)	26-03-87	HOECHST AKTIENGE- SELLISCHAFT.	An improved process for making azo pigments	28-09-91	41/00.	32-A ₁ . GROUP-IX(1)	F.C.
169308 (220/Mas/87)	26-03-87	HOECHST AKTIENGE- SELLISCHAFT.	An improved process for Making azo pigments	28-09-91	41/00.	32-A-GROUP- IX(1).	F.C.
169333 (946/Cal/87)	02-12-87	HOECHST AKTIENGE- SELLISCHAFT.	A process for the preparation of azo compounds containing cyano groups	28-09-91	43/00.	32-A ₁ .	F.C.
169334 (377/Cal/88)	09-05-88	HOECHST AKTIENGE- SELLISCHAFT.	Process for the preparation of water soluble monoazo naphtholcarboxylic acid compounds.	28-09-91	29/00.	32-A ₁ .	F.C.
169337 (683/Cal/89)	21-08-89 ante dated to 17-07-85	HOECHST AKTIENGE- SELLISCHAFT.	Process for the preparation of water soluble pyridone monoazocompounds suitable as dyestuffs.	28-09-91	29/00. 29/42.	32-A ₁ .	F.C.
169343 (203/Mas/87)	19-03-87	CASSELLA AKTIENGE- SELLISCHAFT.	Improvement in a process for the preparation of azo disperse dyestuff.	28-09-91	41/00.	32-A ₁ -GROUP- IX(1)	F.C.
169387 (411/Cal/88)	24-05-88	HOECHST AKTIENGE- SELLISCHAFT.	A process for preparing a water soluble disazo compound	05-10-91	43/132.	32-A ₁ .	F.C.
169390 (880/Cal/89)	23-10-89 ante dated to 22-09-86	HOECHST AKTIENGE- SELLISCHAFT.	A process for the preparation of water soluble azo compounds.	05-10-91	62/00.	32-A ₁ .	F.C.
169433 (17/Cal/87)	06-01-87	HOECHST AKTIENGE- SELLISCHAFT.	Process for the preparation of water soluble phthalo- cyaninedyestuffs.	19-10-91	47/24.	32-A ₂ .	F.M.
169440 (137/Cal/88)	15-02-88	HOECHST AKTIENGE- SELLISCHAFT.	A process for the preparation of soluble azo compounds, suitable as dyestuffs, having a fiber-reactive group of the vinylsulfone series.	19-10-91	41/00, 43/00, 62/503, 62/523.	32-A.	F.C.
169487 (321/Mas/87)	05-05-87	CIBA-GEIGY AG.	Process for the preparation of anthraquinoid vat dyes.	26-1-91	1/48.	32-A ₂ - GROUP	F.C.
169741 (11/Del/85)	08-01-85	BAYER AKTIENGES- SELLISCHAFT.	A process for preparing tri- phenyldioxazine dyestuffs.	14-12-91		10/00. 32-A/2.	F.C.
169776 (998/Cal/88)	02-12-88	HOECHST AKTIENGE- SELLISCHAFT.	Process for preparing disazo compound.	21-12-91		31/00. 2-A.1	F.C.
169807 (464/Cal/90)	01-06-90 ante dated to 01-02-88	HOECHST AKTIENGE- SELLISCHAFT.	A process for the preparation of water soluble monoazo compounds.	28-12-91		37/00, 32-A ₁ . 39/00, 41/00.	F.C.
C 09 C : Treatment of inorganic materials, other than fibrous fillers, to enhance their pigmenting or filling properties; Preparation of carbon black.							
168382 F.M.	168383 (264/Cal/87)	01-04-87 BORDEN INC.	Raw batch carbonaceous composition for use in making shaped self-sustaining article.	23-03-91	1/44.	152-E,F.	F.C.
168573 (217/Cal/87)	18-03-87	MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG	Process for the preparation of coloured platelet-shaped pigments containing iron- oxide.	04-05-91	1/62, 1/68, 3/00.	144-C.	F.C.

1	2	3	4	5	6	7	8
168779 (993/Mas/86)	18-12-86	CARBOT CORPORATION	A method of producing furnace carbon black having modified surfaces with blocked micro-pores.	01-06-91	1/56	139-A-GROUP-IV-(2).	F.C.
168864 (739/Cal/87)	15-09-87	MERCK PATENT GESELLSCHAFT MIT BESCHARANKTER HAFTUNG	Process for preparing plate-shaped iron oxide pigments.	29-06-91	1/22, 1/24, 1/40.	144-E ₆ .	F.C.
168993 (327/Cal/87)	24-4-87	E.I. DU PONT DE NEMOURS AND COMPANY.	A method for the preparation of a pigment consisting essentially of rutile TiO ₂ particles bearing coatings of alumina of aluminic silica.	10-03-91	1/63	144-E ₆	F.C.
168994 (328/Cal/87)	24-04-87	E.I. DU PONT DE NEMOURS AND COMPANY	A process for preparing TiO ₂ particles bearing coatings of boriamodified silica.	10-08-91	1/36, 1/62.	144-E ₆ .	F.C.
169017 824/Cal/87	23-10-87	MERCK PATENT GESELLSCHAFT MIT BESCHARANKTER HAFTUNG FRANKFURTER STR	Process for preparing pearl lustre pigments based on metal oxide coated mica flakes	17-08-91	3/06	144-E ₆ .	
169489 (340/Mas/87)	11-05-87	CABOT CORPORATION.	An apparatus for mixing and agitating of various types of carbon black.	26-10-91	1/48.	132-B ₂ & 139-A-GROUPS-XXXIV(3) & IC (2).	F.C.
169774 (577/Cal/88)	09-08-88	MERCK PATENT GESELLSCHAFT MIT BESCHANKTER HAFTUNG.	Process for the preparation of colour lustre pigments.	21-12-91	1/22, 1/36.	144-E ₆	F.C.

C 09 D : Inks; Paints; Varnishes; Lacquers; Wood-stains; Chemicals paint removers; Pastes or solids for colouring or printing.

167878 (643/Mas/86)	11-08-86	RAYCHEM CORPORATION.	A method of forming an electrically conductive layer on a substrate.	05-01-91	11/02.	32-E-GROUP-IX-(1)	F.C.
167983 (262/Cal/87)	01-04-87	PROJECTS & DEVELOPMENT (INDIA) LTD.	Improvements in or relating to a process for preparing heat conductive putty.	19-01-91	5/34.	152-F.	I.C.
168249 (801/Cal/88)	26-09-88 ante dated to 05-2-85	AMERICAN CYANAMID COMPANY.	A stable coating composition having long shelf life and having organic amines containing hydroxyalkyl carbamate groups and method of making the same.	23-02-91	3/00.	144-B.E.	F.C.
168290 (162/Bom/89)	15-06-89	CROMPTON GREAVES LIMITED.	A process for the manufacture of a high performance air-drying polyurethane paint for coating metal or metal alloy.	02-03-91	3/72	144-E ₄ & E ₂ -GR. XII(3).	F.C.
168413 (258/Del/87)	24-03-87	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH.	Improved method for the preparation of alkyd resin water thinnable air drying paint	30-03-91	3/40	144-E ₄	I.C.

1	2	3	4	5	6	7	8
168520 (345/Cal/88)	10-04-88	1. LENINGRADSKY TEKHNOLIGICHESKY INSTITUT TSELIJULO- ZINOBUMAZHNOI PROMYSHLIENNOSTI. 2. LEN INGRADSKOE PROIZVODSTENNOE TEXTILNOGALAN- TEREINOE OBIEDI- MENIE "SEVER".	Method of forming a relief image on a base.	20-04-91	11/14.	154-D.	F.C.
169799 (377/Mas/87)	21-05-87	NIPPON OIL & FATS CO. LTD.	Ultraviolet-curable coating composition.	21-12-91	3/48.	144-B-GROUP- XII(3).	F.C.
C 09 G : Polishing compositions other than frenchpolish, Ski waxes.							
168327 (401/Cal/87)	19-05-87	S. C. JOHNSON & SON INC.	An aqueous polish composi- tion and method of making the same.	16-03-91	1/06.	170-C.	F.C.
168335 (505/Cal/87)	30-06-87	EDLON PRODUCTS, INC.	A resin based coating compo- sition.	16-03-91	1/10.	144-B.	F.C.
C 09 J The use of materials other than glue as adhesives, Adhesive processes in general (non-mechanical part).							
168079 (738/Mas/86)	18-09-86	MINNESOTA MINING AND MANUFACTUR- ING COMPANY.	A process for preparing a substantially homogeneous, electrically conductive pressure- sensitive adhesive material.	02-02-91	3/14.	1-A-GROUP- XLII(1).	F.C.
168467 (831/Mas/86)	22-10-86	HENKEL KOMMANDIT- GESELLSCHAFT AUF AKTIEN	An improved adhesive stick composition.	06-04-91	3/00	1-A-GROUP XLII(1)	F.C.
168587 (785/Mas/86)	06-10-86	THE WIGGINS TEAPE GROUP LIMITED.	Paper webs coated with remoistenable adhesive.	04-05-91	7/04.	154-D-GROUP- XXXVII(1).	F.C.
168750 (908/Mas/86)	26-11-86	NATIONAL STARCH AND CHEMICAL COR- PORATION.	A method for the preparation of a pressure sensitive adhesive terpolymer.	01-06-91	3/14, 5/00.	32-E- GROUP-IX(1).	F.C.
C 09 L : Materials for miscellaneous applications not provided for elsewhere.							
168008 (741/Cal/87)	17-09-87	ITALBONDER S. P-A.	Composition for protecting steel surfaces against atmo- spheric oxidation.	19-01-91	15/00	10 3 .	F.B.
168310 (515/Del/87)	16-06-87	B. P. CHEMICALS LIM- TED.	Base oil composition suitable for use in drilling fluids.	09-03-91	7/06.	131-A ₂ , 131-B ₃ .	F.C.
168341 (36/Del/87)	20-01-87	COUNCIL OF SCIENTI- FIC & INDUSTRIAL RESEARCH.	A process for the preparation of chrome lignite for maintain- ing rheological properties of water based oil well drilling fluids in high temperature and pressure oil well drilling.	16-03-91	7/00	131-A.2.	I.C.
168644 (1001/Mas/86)	22-12-86	MONSANTO COMPANY	A fire-resistant thermoplastic composition.	11-05-91	21-/12.	32-E-GROUP- IX(1)	F.C.
168645 (1002/Mas/86)	22-12-86	MONOSANTO COMPANY	A fire-resistant interlayer sheet.	11-05-91	21/12.	32-E-GROUP- IX(1).	F.C.

1	2	3	4	5	6	7	8
168647 (1000/Mas/86)	22-12-86	MONSANTO COMPANY	Composition for imparting fire-resistance to laminating interlayers sheet.	11-05-91	21/12.	39-E-GROUP-III.	F.C.
168751 (911/Cal/86)	15-12-86	KASEI OPTONIX LTD.	Improvements in or relating to a luminescent phosphor composition process for its preparation and fluorescent lamp employing it.	01-06-91	11/00 11/08. 11/70.	39-E 113 C	F.C.
168808 (340/Cal/88)	27-04-88	PENNWALT CORPORATION	Sulfur dissolving composition abased on disulfide polysulfide or mixtures thereof.	08-06-91	9/00.	139-G.	F.C.
169536 (542/Cal/88)	01-07-38	LANXIDE TECHNOLOGY COMPANY LP.	A method for producing direct contact heat storage medium.	09-11-91	5/00.	9-F; 31-HC, 93.	F.C.
169544 (383/Del/87)	04-05-87	KENRICH PETROCHEMICALS INC.	Process for imparting anti-static properties to polymeric materials.	09-11-91	3/32.	32-E-IX(1).	F.C.

C 10 , PETROLEUM. GAS OR COKE INDUSTRIES, TECHNICAL GASES CONTAINING CARBON MONOXIDES, FUELS, LUBRICANTS, PEAT.

C 10 B Destructive distillation of carbonaceous materials for production of gas, coke, tar, or similar materials.

167885 (747/Mas/86)	23-09-86	USINOR-ACIERS OF IMMEUBLE "ILE-DE-FRANCE".	Process and apparatus for manufacturing coke.	05-01-91	19-00.	47-A-GROUP-XXXII (1)	F.C.
168543 (985/Cal/87)	25-11-87	1. DINESH CHANDRA SINGHAL	Fuel and reducing gas generator.	20-04-91	57/00.	47-B.	I.I.
168863 (683/Cal/87)	31-08-87	VOSTOCHNY NAUCHNOISSEDOVATELSKY UGLEKHMICHESKY INSTITUT (VUKHIN)	Coke making process.	29-06-91	47/00 53/00.	139-B.	F.C.
169095 (880/Cal/87)	10-11-87	OTTO INDIA PRIVATE LIMITED AND FIRMA CARL STILL GMBH & CO. K. G.	Device for dry-cooling of coke.	07-09-91	39/00.	47-C..	I.C. F.C.
169098 (974/Cal/88)	28-11-88 ante dated to 14-11-86	INTERNATIONAL CONTROL AUTOMATION FINANCE S.A.	A filter shield assembly.	07-09-91	27/00.	47-C.	F.C.
169099 (975/Cal/88)	28-11-88 ante dated to 14-11-86	INTERNATIONAL CONTROL AUTOMATION FINANCE S.A.	A gas sampling apparatus for a coal mill.	07-09-91	27/00.	47-C.	F.C.
169109 (173/Mas/87)	12-03-87	MANNESMANN AKTEN GESSELLSCHAFT.	A improved double-walled coke quenching car.	07-09-91	39/06.	98-D-GROUP XXXIV(5).	F.C.

C a0 C : Working-up tar, pitch, asphalt, bitumen, pyroligneous acid.

167907 (689/Mas/86)	28-08-86	BUSS A. G.	Method for further processing the residue left after vacuum distillation in a crude oil refinery.	05-01-91	3/06.	32-B-GROUP-IX(1).	F.C.
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1	2	3	4	5	6	7	8
C 10 G : Cracking hydrocarbon oils; Production of liquid hydrocarbon mixtures from materials other than hydrocarbon, e.g. by destructive hydrogenation; Recovery of hydrocarbon, oils from oil-shale, oil-sand, or gases; Refining mixtures mainly consisting of hydrocarbons; Reforming of naphtha; Mineral waxes.							
168275 (86/Cal/87)	28-01-87	GAS RESEARCH INSTITUTE.	A heater for heating fluids.	02-03-91	1/00, 7/00	98-E	F.C.
168775 (906/Mas/86)	25-11-86	SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B.V.	Process for catalytic dewaxing of refinery derived lubricating base oil precursor.	01-06-91	73/44	40-A(2)- GROUP-IV (1)	F.C.
169187 (240/Del/87)	19-03-87	THE M.W. KELLOGG COMPANY	A process for the steam cracking of hydrocarbons.	14-09-91	31/00.	32-B	F.C.
169198 (14/Mas/87)	12-01-87	MOBIL OIL CORPORATION.	A process for isomerising ethyl benzene and xylene.	14-09-91	45/54, 45/54, 45/58.	40-B- GROUP-IV (1)	F.C.
169219 (224/Mas/87)	27-03-87	INSTITUTE FRANCAIS DU PETROLE	A process for catalytic reforming of hydrocarbons.	14-09-91	35/06.	40-B- GROUP-IV (1)	F.C.
169261 (252/Del/86)	18-03-86 ante dated to 08-02-83	EXXON RESEARCH AND ENGINEERING COMPANY AND TECHNICAL DEVELOPMENT AND RESEARCH WORK	A process for the dewaxing of waxy hydrocarbon oils.	21-09-91	73/02.	40-B3	F.C.
169305 (191/Mas/87)	18-03-87	SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B.V.	A process for deasphalting heavy hydrocarbon oil and an apparatus for the same.	18-09-91	21/14.	40-F- GROUP-IV (1)	F.C.
169726 (426/Mas/87)	09-06-87	SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B.V.	An apparatus for continuous catalytic cracking of hydrocarbon feed.	14-12-91	11/00	56-B- GROUP-V	F.C.
C 10 H : Production of acetylene by wet methods : Its purification							
169335 (521/Cal/88)	28-06-88	TEJENDRA GARG.	Improvements in or relating to carbide to-water type apparatus for generating gases like acetylene.	28-09-91	15/00, 21/00.	32-B; 88-D	I.I.
169632 (522/Cal/88)	28-06-88	TAJENDRA GARG.	Improvements in or relating to the means for feeding carbide in acetylene generators.	23-11-91	15/00, 21/00.	32-B; 47C.	I.I.
C 10 J : Production of producer gas, water-gas, synthesis gas from solid carbonaceous materials, or mixtures containing these gases; Carburetting air or other gases.							
168089 (517/Cal/87)	06-07-87	METALLGESELLSCHAFT AKTIENGESELLSCHAFT	Improvements in the process for gasification of granular solid fuels in a rotary grate reactor.	02-02-91	5/00.	47-B;C.	F.C.
168599 (894/Mas/86)	19-11-86	THE DOW CHEMICAL COMPANY	Non-catalytic two-stage up-flow process for gasification of a carbonaceous material.	04-05-91	3/46.	84-A- GROUP-XXXII (2)	F.C.
169831 (1071/Cal/88)	28-12-88	TEXACO DEVELOPMENT CORPORATION	A gasifier for the high temperature combustion of a carbonaceous fuel.	28-12-91	3/20.	47-B.	F.C.

1	2	3	4	5	6	7	8
C 10 L : Fuels not otherwise provided for; Adding materials to fuels or fires to reduce smoke or undesirable deposits or to facilitate soot removal; Firelighters.							
167913 (360/Del/86)	23-04-86	EXXON CHEMICALS PATENTS INC.	A fuel oil composition.	05-01-91	1/18, 1/22.	84-B.	F.C.
167978 (149/Del/87)	19-02-87	THE M.W. KELLOGG COMPANY	Continuous process for production of diesel range fuel.	19-01-91	1/00.	84-B.	F.C.
168028 (1129/Del/86)	23-12-86	GERMAN ROSENBLUTH.	A Composition for reducing the deposits of unburnt particles remaining within the combustion chambers of heat generators.	26-01-91	1/14.	84-B.	F.I.
168043 (928/Del/86)	21-10-86	THE LUBRIZOL CORPORATION.	A fuel composition for an internal combustion engine.	26-01-91	1/10.	84-B.	F.C.
168087 (363/Cal/87)	03-05-87	METALL GESELLSCHAFT AKTIENGESELLSCHAFT.	Process for burning high-salt coal in the production of steam.	02-02-91	9/10.	84-C ₁	F.C.
168192 (223/Del/87)	17-03-87	EXXON CHEMICAL PATENTS INC.	Liquid fuel compositions.	16-02-91	1/14.	84-B.	F.C.
168195 (553/Del/87)	30-06-87	UNION CARBIDE CORPORATION.	Process and apparatus for upgrading the octane of a hydrocarbon feed.	16-02-91	1/00, 1/04.	32-B.	F.C.
168378 (630/Del/87)	24-07-87	EXXON CHEMICAL PATENTS INC.	Liquid fuel composition.	23-03-91	1/14.	84-B-XXXII(2)	F.C.
168517 (233/Cal/88)	21-03-88	BETZ INTERNATIONAL INC.	Process and composition for stabilized distillate fuel oils.	20-04-91	1/26, 10/00.	84-B;C ₂ .	F.C.
168653 (301/Cal/88)	12-04-88	DROLIA RULES PVT. LIMITED.	A process for manufacturing coke briquettes containing titania (TiO ₂)	18-05-91	5/06, 5/10, 5/16, 5/22, 5/28, 5/30, 5/48.	84-C _{1,2} ; 141-A, 108-C ₃ .	I.C.
168787 (130/Cal/88)	18-03-88	NARAYAN CHANDRA ACHARYYA.	Machine and process for production of domestic fuel.	25-05-91	5/02, 5/06.	84-C ₁ ; 136-K, 141-A.	I.I.
168867 (62/Cal/88)	28-01-88	PETROFINA (U.K.) LIMITED.	Process for preparing smokeless. cured fuel briquettes.	29-06-91	5/02, 5/06, 5/20, 5/28, 5/30, 10/02.	84-C ₁ .	F.C.
169368 (249/Maa/87)	03-04-87	RORGAN-FASTER TECHNOLOGY COMPANY. N.V.	A process and apparatus for producing stable compacts from moist waste material.	05-10-91	5/10, 9/00.	84-C ₁ & 2-GROUP-XXXII(2).	F.C.
9689 (63/Del/86)	23-04-86	EXXON CHEMICAL PATENTS INC.	Fuel oil compositions.	07-12-91	1/22.	84-D.	F.C.
169742 (902/Del/86)	29-10-85	UNION RHEINISCHE BRAUNKOHLEN KRAFTSTOFF AG.	A fuel compositions.	14-12-91	1/02.	32-B.	F.C.
169750 (550/Del/88)	29-06-88 ante dated to 29-10-85	UNION RHEINISCHE BRAUNKOHLEN KRAFTSTOFF AG.	Fuels based on alcohols.	14-12-91	1/02.	84-B.	F.C.

1	2	3	4	5	6	7	8
C 10 M : Lubricating compositions; use of chemical substances either alone or as lubricating ingredients in a lubricating composition.							
167936 (1070/Del/86)	05-12-86	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH.	Lubricating oil composition for two stroke petrol engine.	12-01-91	101/00, 101/04.	140-A2.	I.C.
167977 (22/Del/87)	13-01-87	THE LUBRIZOL CORPORATION.	Lubricant composition containing transition metals for viscosity control.	19-01-91	125/00	140-A2- XI(2)	F.C.
167993 (394/Del/86)	01-05-86	THE LUBRIZOL CORPORATION.	Process for producing an oil soluble load carrying additive.	19-01-91	133/16.	140-A2.	F.C.
168074 (647/Mas/86)	11-08-86	R.T. VANDERBILT COMPANY INC.	A process for preparing an organic molybdenum complexes.	02-02-91	101/04	32-D- GROUP-IX (1)	F.C.
168102 (607/Del/86)	10-07-86	THE LUBRIZOL CORPORATION.	A process for preparing a sulfurized composition for use as lubricant additive.	02-02-91	135/02, 135/06	140-A2- KI(2).	F.C.
168191 (132/Del/85)	18-02-85	EXXON RESEARCH AND ENGINEERING COMPANY.	A distillate petroleum fuel oil composition	16-02-91	129/16.	140-B1; XI(2).	F.C.
168197 (840/Del/87)	23-09-87	THE LUBRIZOL CORPORATION.	Process for the production of a high carbonate containing borated product.	16-02-91	125/26, 171/06,	140-A2.	F.C.
168250 (1031/Cal/88)	15-12-88 ante dated to 16-10-85	THE LUBRIZOL CORPORATION.	A liquid lubricating composition having improved anti-oxide anti characteristics.	23-02-91	135/02	140-A2.	F.C.
168375 (335/Del/87)	16-04-87	THE LUBRIZOL CORPORATION.	Lubricating composition containing an additive derived from O, O- dialkyldithiophosphoric acid and a norbornyl reactant and method for the preparing thereof.	23-03-91	125/24	140-A2- XI(2).	F.C.
168794 (2138/Del/86)	24-12-86	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	An improved process for the phosphosulphidated jojoba oil useful as multifunctional additive for lubricating oil	08-06-91	137/14	140-B2.	I.C.
168856 (984/Mas/86)	17-12-86	THE DOW CHEMICAL COMPANY.	Lubricants for reciprocating air compressors.	29-06-91	105/08	140-A2- GROUP -XI (2)	F.C.
169147 (237/Del/87)	19-03-87	THE LUBRIZOL CORPORATION.	A synthetic lubricant composition.	07-09-91	101/00	140-A2.	F.C.
169280 (505/Del/88)	08-06-88 ante dated to 07-11-85	THE LUBRIZOL CORPORATION.	A lubricant composition for use in two cycle internal combustion engines.	07-09-91	149/22.	140-A2.	F.C.
169308 (1112/Del/86)	17-12-86	THE LUBRIZOL CORPORATION.	Composition for use as an additive for functional fluids	26-10-91	133/32	140-A2.	F.C.
169538 (558/Cal/88)	05-07-88	INDIAN ALUMINIUM COMPANY LIMITED.	Improved microfog lubricant composition and process for the manufacture thereof.	09-11-91	101/00, 101/02, 125/24.	140-B-1.	I.C.

1	2	3	4	5	6	7	8
169545 (713/Del/87)	17-08-87	THE LUBRIZOL CORPORATION.	A lubricant or functional fluid composition.	09-11-91	125/22.	140-A1.	F.C.
169547 (1018/Del/87)	30-11-87	BP CHEMICALS (ADDITIVES) LIMITED.	A process for the production of an additive concentrate suitable for incorporation into finished lubricating oil composition.	09-11-91	127/06	140-A2.	F.C.
169565 (398/Mas/87)	28-05-87	ATOCHEN.	A process for preparing a polyflourinated compound.	09-11-91	133/00	140-A2- GROUP-XI (2)	F.C.
C 10 N : Indexing scheme associated with sub class C 10 M (for indexing only)							
168302 (1111/Del/86)	17-12-86	THE LUBRIZOL CORPORATION.	A functional fluid such as hydraulic/transmission fluids brake fluids, power steering fluids and tractor fluids.	09-03-91	40/08.	140-B1.	F.C.
C 11 : Animal or vegetable oils Fats. Fatty substances or waxes ; Fatty Acids Therefrom; Detergents; Candles.							
C 11 B : Producing (pressing extraction), refining or preserving fats. fatty substances (e.g. lanolin) fatty oils or waxes including extraction from waste materials Essential oils Perfumes.							
168797 (852/Del/87)	28-09-87	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A device for the extraction of oil from oil bearing seeds.	08-06-91	1/06.	77-BI- (XII)	I.C.
169299 (125/Mas/89)	15-02-89	NOVO INDUSTRI A/S	A method for producing an upgraded coconut product in the form of coconut oil or coconut milk.	21-09-91	1/00.	77-B- GROUP-XI (1)	F.C.
169749 (C428/Del/88)	13-05-88	W.R. GRACE & CO- CONN.	Improved absorbent composition for the removal of trace contaminants and/or colour from glyceride oils.	14-12-91	3/10.	77-D.	F.C.
169829 (170/Bom/89)	21-06-89	HINDUSTAN LEVER LTD.	Method of refining glyceride oils.	28-12-91	3/00, 3/02, 3/10, 3/16.	770-XI(1)	I.C.
C 11 D : Detergent composition; Use of single substances as detergents; Soap or Soap-making, Resin soaps; Recovery of glycerol.							
167952 (54/Del/87)	27-01-87	COLGATE- PALMOLIVE COMPANY	Particulate detergent softener composition and process for preparing the same.	12-01-91	1/00.	170-A.	F.C.
167967 (85/Bom/89)	05-04-89	HINDUSTAN LEVER LTD.	Detergent composition.	12-01-91	1/83.	170-B & D-XLIII (4).	I.C.
167997 (109/Del/87)	11-02-87	COLGATE- PALMOLIVE COMPANY.	A detergent compositions.	19-01-91	1/835.	170-A.	F.C.
168153 (224/Cal/87)	20-03-87	DEGUSSA AKTIENGE- SELLSCHAFT	A detergent bar containing aluminium silicate.	09-02-91	3/00, 3/08.	170-B.	F.C.

1	2	3	4	5	6	7	8
168163 (108/Del/87)	11-02-87	COLGATE- PALMOLIVE COMPANY.	A heavy duty liquid detergent composition.	16-02-91	1/66.	170-A.	F.C.
168406 (130/Bom/89)	16-05-89	HINDUSTAN LEVER LIMITED.	Detergent composition.	30-03-91	1/02. 3/02.	170-B & D. Gr- XL-III(4).	I.C.
168605 (47/Bom/89)	28-02-89	HINDUSTAN LEVER LIMITED.	Bleaching detergent composition.	04-05-91	1/04, 3/395.	62-A ₂ - XXII(1)- 170-B- XLIII(4).	I.C.
168696 (101/Mas/87)	16-02-87	HINKLL- KOMMANDIT- GESELLSCHAFT AUF AKTIEN.	A process for the production of solid alkali metal salts of alpha-sulfofatty acid alkyl esters.	18-05-91	13/06, 17/06.	170-B- Group- XLIII(4).	F.C.
168714 (70/Bom/89)	20-03-89	HINDUSTAN LEVER LIMITED.	Liquid detergent composition.	25-05-91	1/00, 3/00, 17/08.	170-B+D- XLIII(4).	I.C.
168719 (271/Bom/89)	06-10-89	HINDUSTAN LEVER LIMITED.	Method of making toilet soap bars.	25-05-91	7/16.	170-B- XLIII(4).	I.C.
168787 (283/Bom/88)	12-10-88	HINDUSTAN LEVER LIMITED.	Detergent composition.	08-06-91	3/02, 3/39, 3/395.	170-B+D- XLIII(4).	I.C.
168813 (16/Bom/89)	13-01-89	HINDUSTAN LEVER LIMITED.	Laundry bars.	15-06-91	1/02, 3/06, 3/08, 3/10.	170-A+B XLIII(4).	I.C.
168841 (311/Bom/88)	11-11-88	HINDUSTAN LEVER LIMITED.	Detergent compositions comprising fabric softening clay material.	22-06-91	3/02, 3/08, 3/12.	170-B+D- XLIII(4).	I.C.
168967 (314/Cal/88)	19-04-88	DEGUSSA AKTIEN- GESELLSCHAFT.	A granular adsorbent and a process for preparing the same.	27-07-91	1/68, 3/08, 3/37.	170-B.	F.C.
169179 (54/Mas/87)	28-01-87	HENKEL KOMMANDI- TGESELLSCHAFT AUF AKTIEN.	A process for the production of phosphate free detergent bar and a detergent bar prepared thereby.	14-09-91	3/08, 3/37.	170-B- Group-XLIII (4).	F.C.
169447 (334/Bom/88)	14-12-88	HINDUSTAN LEVER LIMITED.	A Method of manufacturing a solid bar from liquid or semi-liquid material such as soap, non-soap detergent or mixtures thereof.	19-10-91	13/18.	143-D1+2+ 3+4 Gr. XL(5).	I.C.
169577 (393/Cal/88)	16-05-88	DEGUSSA AKTIENGE- SELLSCHAFT.	Aqueous pumpable stable suspension of a water insoluble silicate capable of binding calcium ions.	16-11-91	3/08.	40-C+ 170-B.	F.C.
169745 (52/Del/87)	27-01-87	COLGATE- PALMOLIVE COMPANY.	A liquid detergent composition free of quaternary ammonium softening compounds for simultaneously cleaning and softening fabrics.	14-12-91	1/00.	170-A.	F.C.
169821 (245/Bom/85)	10-09-85 ante dated to 25-03-83	HINDUSTAN LEVER LTD.	Novel device for use in modifying the phase characteristics of soap feed stock.	28-12-91	13/10.	132-B2+ 170-D.	I.C.

1	2	3	4	5	6	7	8
169824 (114/Bom/89)	28-04-89	HINDUSTAN LEVER LTD.	Detergent compositions and process for preparing them.	28-12-91	1/02, 3/06, 10/04.	170-B- XLIII(4)	I.C.
169826 (156/Bom/89)	12-06-89	HINDUSTAN LEVER LTD.	Method of making a liquid detergent composition.	28-12-91	3/37.	170-B- Gr. XLIII (4).	I.C.
C 12 : Biochemistry, Beer, Spirits, Wine, Vinegar, Microbiology, Enzymology, Mutation or Genetic Engineering-							
C 12 C Brewing of beer.							
168620 (12/Del/88)	08-01-88	LA COMPAGNIE VITICOLE ET FERMIERE EDMOND ET BENJAMIN DE ROTHSCHILD S A.	Process for preparing alcoholic beverages from vegetable juice.	04-05-91	11/02, 11/04, 21/06.	32-F ₃ (c).	F.C.
C 12 G : Wine, Other alcoholic beverages, preparation thereof.							
168497 (877/Cal/87)	09-11-87	1. NAUCHNO- PROIZVO DSTVENNOE OBIE- DINENIE NAPITKOV I MINERALNYKH VOD. 2. VSESOJUZNY ZAOCHNY INSTITUT PISCH- EVOI PROMYSHLENNOS -TI.	Process for producing sparkling wines.	13-04-91	1/00.	17-A1.	F.C.
169162 (04/Mas/87)	05-01-87	UNITED DISTILLERS PLC.	A method of producing potable spirit.	07-09-91	3/12.	32-F ₃ (c)- Group IX(1).	F.C.
C 12 M : Apparatus for enzymology, or microbiology, Unicellular algae, plant or animal cell, tissue, or virus-culture apparatus.							
168081 (841/Cal/86)	18-11-86 ante dated to 05-05-83	BAR-ILAN UNIVERSITY.	A method of separating at least a particular group of biological cells and arrangement for selecting the same.	02-02-91	1/00, 3/00.	55-E ₄ :F.	F.C.
169200 (41/Mas/87)	21-01-87	HOECHST AKTIENGE- SELLSCHAFT.	Sterilizable fluidized bed fermenter.	14-09-91	1/40.	98-E- Group-VII(2).	F.C.
169448 (75/Bom/90)	28-03-90	DR. VINOD BABURAO SHIDHAM & MRS. ANJANI VINOD SHIDHAM.	The container for long life of pre-poured media and gels.	19-10-91	1/22.	55-F- XIX(1).	I.I.

1	2	3	4	5	6	7	8
C 12 N : Micro-organisms or enzymes; Compositions thereof; Propagating, preserving, or maintaining micro-organisms or tissue; Mutation or Genetic engineering; Culture media.							
167981 (150/Cal/87)	27-02-87	INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE (INRA) AND COMMISSARIAT AL' ENERGIE ATOMIQUE (CEA).	A process for the preparation of a molecular probe for DNA specific for the male genome of ruminants.	19-01-91	15/00.	55-F.	F.C.
168081 (841/Cal/86)	18-11-86 ante dated to 05-05-83	BAR-ILAN UNIVERSITY.	A method of separating at least a particular group of biological cells and arrangement for selecting the same.	02-02-91	1/02, 1/36, 3/00.	55-E ₄ ; F.	F.C.
168147 (812/Mas/88)	18-11-88 ante dated to 10-2-87	NAGY ADLY HABIB.	An improved method of producing cell products such as lymphokines antigens; In a fermentation vat.	09-02-91	5/00.	32-C- Group-IX(1).	F.I.
168666 (179/Mas/87)	13-03-87	REUTER LABORATORIES INC.	A method for producing milky disease bacillus spore in VITRO.	18-05-91	3/00.	55-D ₂ - Group-XIX(1).	F.C.
168721 (226/Del/87)	18-03-87	IMPERIAL CHEMICAL INDUSTRIES PLC.	A method of producing hybrid fragments of genomic DNA hybridised to a probe for use as a diagnostic material.	25-05-91	15/00.	32-C; 55-F.	F.C.
169027 (228/Cal/89)	21-03-89 ante dated to 20-02-86	MARC BALLIVET.	Process for the preparation of a vaccine.	17-08-91	15/00.	55-E ₄ .	F.I.
169121 (222/Del/87)	19-05-88	NATIONAL RESEARCH DEVELOPMENT CORPORATION OF INDIA.	A process for the preparation of solid support having coenzymes immobilized thereon for use in biomolecular electronic or bio-batteries.	07-09-91	11/00.	14-C.	I.C.
169332 (920/Cal/17)	24-11-87	AGRACETUS.	An apparatus for injecting carrier particles carrying DNA into living cells.	28-09-91	15/00.	5-D.	F.C.
169420 (322/Mas/89)	27-04-89	STABRA AG.	A process for the preparation of water insoluble cross-linked crystalline glucose-isomerase enzyme.	12-10-91	9/00.	32-C- Group-IX(1).	F.C.
169760 (722/Cal/89)	01-09-89 ante dated to 08-10-86	PHILIPS PETROLIUM COMPANY.	A process for producing a novel linear DNA fragment useful for the site selective genomic modification of yeasts.	21-12-91	15/00.	32-C+ 55-E ₄ .	F.C.
C 12 P : Fermentation or enzyme-using process to synthesise a desired chemical compound or composition or to separate optical isomers from a racemic mixture.							
167962 (260/Bom/88)	01-12-89	HOECHST INDIA LIMITED.	A process for the production of new antibacterial antibiotics napsamycin a and b from streptomyces candidus Y-82, 11372 (culture number Hoechst India Limited Y-82, 11372), its mutants or variants.	12-01-91	21/00, 21/04.	32-F ₂ (b)- IX(1);55-E ₂ + E ₄ -XIX(1).	I.C.

1	2	3	4	5	6	7	8
168150 (906/Mas/88)	21-12-88	JURIDICAL FOUNDATION THE CHEMOSE-RO-THERAPEUTIC RESEARCH INSTITUTE.	A process for preparing rabies virus glyco-protein.	09-02-91	21/00.	32-C-Group(IX(1).	F.C.
168717 (146/Bom/89)	07-06-89	HINDUSTAN ANTIBIOTICS LTD.	A process for the production of 7-amino-desacetoxy cephalosporanic acid.	25-05-91	35/00, 35/02.	55-E ₄ -XIX(1), 32-F ₂ (b)-IX(1).	I.C.
169250 (03/Bom/90)	09-01-90	HOECHST INDIA LTD.	A process for the production of a new glycopeptide antibiotic nogabecin F From A microorganism named NOCARDIA species Y-86, 20095 (culture number Hoechst India Limited, Y-86, 20095), its mutants or variants and pharmaceutically useful salts thereof.	14-09-91	21/00.	55-E ₂ +E ₄ -XIX.	I.C.
169419 (373/Mas/89)	10-05-89 ante dated to 04-09-87	INSTITUT ARMAND-FRAPPIER.	Process for the production of ethanol from biomass.	12-10-91	7/08.	32-F ₃ (c)-Group-IX(1).	F.C.
169756 (1041/Cal/89)	18-12-89	ELI LILY AND COMPANY.	A process for preparing an A-83543 micro-lide compound.	21-12-91	17/08.	55-D ₂ .	F.C.
169830 (297/Bom/89)	01-11-90	HOECHST INDIA LIMITED.	A process for the production of new antibiotic deoxymulundocandin from a micro-organism asperigillus sydowii (Beinier and sartory) thom and church var. nov. mulundansia roy (culture No. Y-30462).	28-12-91	21/00.	32-F ₂ (b)-IX(1) & 55-E ₂ +E ₄ -XIX(1).	I.C.
C 13 : SUGAR INDUSTRY.							
C 13 D : Production or purification of sugar juices.							
168376 (438/Del/87)	12-10-87	APPROPRIATE TECHNOLOGY DEVELOPMENT ASSOCIATION.	Improved apparatus for extracting juice from sugar-cane.	23-03-91	1/02.	94-I.	I.C.
168806 (74/Cal/88)	28-01-88	IRVING CHUNG-CHICHEN.	Mill roll for grinding and extracting juicy material.	08-06-91	1/00.	94-H,I.	F.I.
169324 (199/Mas/87)	18-02-88	KADARUNDALIGE SITARAMADAS GURU-RAJA DOSS.	Improvements in or relating to a device for extraction of juicy from cane by the compression-cum-diffusion process.	28-09-91	1/12.	182-A-Group-XVII.	I.I.
C 13 F : Preparation or processing of raw sugar, sugar or syrup.							
168189 (303/Bom/88)	01-11-88	SWANAND ANANT GOGATE AND PROPRIETOR OF PRIME ENGINEERING AND SOFTWARE CONSULTANTS.	A self-discharging flat-bottom centrifugal basket for separation of sugar crystals from massecutte.	16-02-91	1/06.	56-G-IV, 94-G & I-XXXIII(4), 37A & C-XXXIV(1).	I.I. I.C.
169644 (30/Del/87)	14-04-88	THE ENGINEERING & TECHNICAL SERVICES LTD.	A method for clarification and filtration of sugar cane syrup.	30-11-91	1/00.	182-D.	I.C.

1	2	3	4	5	6	7	8
C 13 J : Extraction of sugar from mylasses.							
168730 (1118/Del/88)	22-08-89	APPROPRIATE TECHNOLOGY DEVELOPMENT ASSOCIATION.	Process for producing liquid sugar from open pan sugar molassrs.	25-05-91	1/06.	182-A.	I.C.
C 13 K Glucose, Invert sugar, Lactose, Maltose, synthesis of sugars by hydrolysis of dior polysaccharides.							
168134 (837/Del/86)	18-12-87	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH.	Process for the preparation of glucose isomerase.	09-02-91	1/00.	32-F3(c).	I.C.
C 14 : SKINS, HIDES, PELTS, LEATHER.							
C 14 C Chemical treatment of hides, skins or leather e. g. tanning, impregnating, finishing, Apparatus therefor, composition for tanning.							
168502 (26/Cal/88)	13-01-88	JOHS KRAUSE GMBH.	Apparatus for treating skins or hides in wet processes.	13-04-91	15/00.	114-A, B.	F.C.
169304 (185/Mas/87)	17-03-87	HENKEL KOMMANDIT-GESELLSCHAFT AUF AKTIEN.	A process for improving the adhesion of finishes on oiled and/or hydrophobicized leather.	28-09-91	7/00.	114-D, 32-E-Groups-XXIV (3), IX(1).	F.C.
C 21. METALLURGY OF IRON.							
C 21. B : Manufacture of iron steel.							
168183 (229/Bom/88)	06-08-88	PHAHLAD DAS GUPTA.	Process and apparatus for making sponge iron from iron ore.	16-02-91	13/00.	108-B ₂ (a)-XXXIII(5).	I.I.
168198 (974/Del/87)	13-11-87	VOEST-ALPINE AKTIENGESELLSCHAFT	Improved process for the production of molten pig iron tab gas produced therein being useful for power generation.	16-02-91	11/00.	108-B ₂ B. 84-A.	F.C.
168636 (118/Cal/88)	10-02-88	INJECTALL LIMITED.	A gas injection cartridge and apparatus.	11-05-91	3/00.	130-E, F.	F.C.
168757 (935/Cal/87)	30-11-87	VOEST ALPINE AG.	Process for producing pig iron.	01-06-91	11/00.	108-B ₂ (b).	F.C.
168938 (131/Cal/88)	15-02-88	PRASANTA KUMAR MOHANTY.	A method and apparatus for manufacturing sponge iron.	20-07-91	13/00.	108-B ₁ .	I.I.
168970 (393/Cal/89)	22-05-89	CRA SERVICE LIMITED.	Process of producing iron by iron smelting process.	27-07-91	1/08.	141-A; 108-B ₂ b.	F.C.
169083 (718/Cal/87)	09-09-87	KLOCKNER CRA PATENT GMBH.	An improved process for Producing metallic smelts in electric arc furnace.	31-08-91	13/00.	108-C ₃₂ .	F.C.
169166 (37/Mas/87)	19-04-88	SPONGE IRON INDIA LIMITED.	An improved rotary kiln for producing sponge iron.	07-09-91	13/08.	85-H-Group-XXXI.	I.C.

1	2	3	4	5	6	7	8
169432 (863/Cal/86)	28-11-86	METALLMESELISCH- AFT A % TIENGESELIS- CHAFT.	Process of reducing fine- grained iron oxide contain- ing materials means of solid carbonaceous reducing agents.	19-10-91	13/14.	108-B-1.	F.C.
169531 (469/Cal/88)	08-06-88	METALIGESLI CHAFT AKTIENGELISCHAFT.	Process for the direct reduc- tion of iron oxide containing materials in a rotary kiln.	09-11-91	13/00.	108-B1.	F.C.
C 21 C : Processing of pig-iron- c. g. refining manufacture of wrought- iron or steel; Treatment in molten state of ferrous alloys.							
167906 (654/Mas/86)	13-08-86	MANNESMANN AKTIEN- GESELLSCHAFT.	An improved process for the preparation of unalloyed or alloyed steels.	05-01-91	7/00.	108-C-3- Group-XXXIII (5).	F.C.
167937 (1101/Del/86)	11-03-88	COUNCIL OF SCIENTI- FIC AND INDUSTRIAL RESEARCH.	An improved process for making high quality steel directly from ore fines and non-coking fines.	12-01-91	5/56.	108-B1.	I.C.
168061 (256/Del/86)	19-03-86	SOCIETE LORRAINE DEBANINAGE CONTI- NUSOLLAC AND UNIMETALSOCIETE FRANCAISE DES ACIERS LONGS.	A refining process for manufa- cturing steel.	26-01-91	1/20.	108-03.	F.C.
168088 (514/Cal/87)	03-07-87	INJECTALL LIMITED	An improved injection nozzle for installing in the wall of a liquid containment vessels e.g. containing molten metal.	02-02-91	7/00.	108-C.	F.C.
168111 (187/Cal/87)	09-03-87	GEORG FISCHER AK- TIENGESSELLSCHAFT.	Process for the production of of pearlitic cast iron.	09-02-91	1/10, 1/08.	9-D&F	F.C.
168314 (895/Cal/86)	09-12-86	ADVANCED MATERIAS & DESIGN CORPORA- TION.	Method of forming high- strength corrosion resistant steel.	09-03-91	5/00. 7/00.	108-C, 3,5.	F.C.
168991 (130/Cal/87)	17-11-88	MR. HARI DATT NAITHANI.	Desulfurisation of hot metal such as pig iron or steel.	10-08-91	1/02.	108-C ₁ .	I.I.
169055 (51/Cal/88)	21-01-88	AFFIVAL.	A composite device for the treat ment of metal baths.	24-08-91	1/02, 1/08.	108-C ₃ .	F.C.
169083 (718/Cal/87)	09-09-87	KLOCKNER CRA PATENT GMBH	An improved process for pro- ducing metallic smelts in electric arc furnace.	31-08-91	5/00.	108-C _{3,2} .	F.C.
169103 (935/Mas/86)	02-12-86	INLAND STEEL COM- PANY.	An improved tundish for conti- nuously casting steel from molten steel.	07-09-91	5/46.	33-A-GROUP- XXXIII(3).	F.C.
169140 (460/Del/86)	11-08-87	COUNCIL OF SCIENTI- FIC AND INDUSTRIAL RESEARCH	A process for the production of compacted graphite iron.	07-09-91	1/10.	9-D& 33-H	I.C.
169214 (105/Mas/87)	17-02-87	INLAND STEEL COM- PANY.	A method and apparatus for strand casting steel.	14-09-91	5/38.	33-D & H- GROUP- XXXIII (3).	F.C.
169251 (314/Del/85)	16-04-85	UNION CARBIDE COR- PORATION.	A process for the refining of metal.	21-09-91	5/36.	108-C ₃ .	F.C.
169291 (933/Mas/86)	02-12-86	INLAND STEEL COM- PANY	An improved method for producing continuously cast steel.	21-09-91	5/00	9-D-GROUP- XXXIII(1).	F.C.

1	2	3	4	5	6	7	8
C 21 D : Modifying the physical structure of ferrous metals; General devices for heat treatment of ferrous or non-ferrous metals or alloys; Making metal malleable by decarburisation, tempering or other treatments.							
168155 (580/Cal/87)	29-07-87	EBNER INDUSTRIE- OFENBAU GESELIS- CHAFT M.B.H.	An improved bell type convec- tion annealing furnace.	09-02-91	9/56	12-D; 85-G.	F.C.
168314 895/Cal/86	9-12-86	ADVANCED MATERI- ALS & DESIGN COR- PORATION	Method of forming high-stren- gth corrosion resistant steel.	09-03-91	8/00.	108-C, 3, F.	F.C.
168448 (671/Cal/87)	27-08-87	1. DANIIL BORISOVICH GORODETSKY. 2. BORIS SHELKOVICH KHATIN. 3. RAFAIL AKIMOVICH VITCHUK.	Method for low-temperature carbonitriding of steel pieces.	06-04-91	1/06	12-B.	F.I.
169476 (411/Cal/89)	29-04-89 ante dated to 11-03-86	DR. MIHIR SEN	A process for improving the physical and structural Charac- teristics of metal castings, forgings and rolling based on titanium and titanium based alloys.	26-10-91	1/00.	12-C.	I. I.
C 22 METALLURGY; FERROUS OR NON-FERROUS ALLYS; TREATMENT OF OF ALLOYS OR NON-FERROUS METALS.							
C 22 B : Production or refining of metals. Pretreatment of raw materials.							
167996 (958/Del/86)	29-01-86	COUNCIL OF SCIENTI- FIC AND INDUSTRIAL RESEARCH.	A process for direct electro- winning of lead metal from galena concentrate.	19-10-91	13/04	70-C ₄ 130-F.	I.C.
168065 (790/Del/86)	03-09-86	DEAN BUTLER	A method for extracting noble metals.	26-01-91	11/04.	130-L.	F.I.
168140 (1137/Del/86)	24-12-86	COUNCIL OF SCIENTI- FIC AND INDUSTRIAL RESEARCH	A process for the extraction of metal values from deep sea poly metallic nodules by direct reductive ammonia leaching.	09-02-91	23/04, 15/10.	130-I-GROUP- XXXIII(7).	I.C.
168653 (301/Cal/88)	12-04-88	DROLIA RUELS PVT. LIMITED.	A process for manufacturing coke briquettes containing titania (TiO ₂).	18-05-91	1/24, 1/20, 1/26, 1/244; 1/245.	84-C _{1,2} ; 141-A. 1,2; 108-C3.	I.C.
168822 (686/Cal/87)	31-08-87	DNEPROPETROVSKY METALLURGICHESKY INSTITUT IMENI L. I. BREZHNEVA.	Process for refining aluminium alloys	15-06-91	9/02.	130-G.	F.C.
168836 (814/Cal/87)	19-10-87	ALUMINIUM Pechiney	An improved method of recov- ering the gallium contained in an aqueous solution of heavily alkine sodium alumi- nate solution.	22-06-91	58/00.	130-I.	F.C.
168916 (261/Cal/88)	29-03-88	SUMITOMO CHEMICAL COMPANY LIMITED.	Process for recovery of gallium by chealte resin.	13-07-91	58/00.	39-E; 130-F&I	F.C.
168942 (744/Cal/87)	18-09-87	MAGYAR ALUMINIUMI PARI TROSZT.	Process for obtaining gallium from sodium aluminate solution by cementation.	20-07-91	58/00.	130-I.	F.C.

1	2	3	4	5	6	7	8
169238 (807/Del/86)	10-09-86	FINE METALS EXPORT CORPORATION PTY. LIMITED.	Method for the refining of a precious metal	14-09-91	11/04.	130-I.	F.C.
169306 (195/Mas/87)	18-03-87	IMPERIAL SMELTING PROCESSES LIMITED.	An improvement in a process for producing zinc.	28-09-91	19/08.	130-F-GROUP-XXXIII (7).	F.C.
169319 (166/Mas/87)	10-03-87	I. S. C. SMELTING LIMITED.	An improved method of swetting zinc from the zinc oxide in a blast-furnace.	28-09-91	19/08.	130-C-GROUP-XXXIII(7).	F.C.
169323 (183/Mas/87)	16-03-87	HYLSA S. A.	Apparatus for the gaseous reduction of particulate iron ore.	28-09-91	5/12.	108-A-GROUP-XXXIII(5).	F.C.
169340 (18/Cal/89)	09-01-89	DEV DITT MOHANTY	Method for the production of chromium metal.	28-09-91	5/04. -	130-H, 39-K,L.	I.I.
169373 (936/Del/86)	23-10-86	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A process for the production of chromite-coke composite briquettes.	05-10-91	1/244.	141-A.	I.C.
169375 (1069/Del/86)	05-12-86	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	An improved process for briquetting chrome ore fines and concentrates.	05-10-91	1/244.	141-A.	I.C.
169596 (437/Cal/88)	30-05-88	ALUMINIUM PECHINNEY.	A process for extracting and purifying gallium from bayer liquors.	16-11-91	58/00.	130-F.	F.C.
169735 (308/Cal/88)	15-04-88	ALUMINIUM PACHINNEY.	Process for the production of aluminium by electrolysis of alumina and an apparatus therefor.	14-12-91	21/00.	130-I; 70-C4.	F.C.
C 22 C : Alloys.							
167939 (1134/Del/86)	23-12-86	OVONIC SYNTHETIC MATERIALS COMPANY, INC.	A method for the manufacture of a hard magnetic alloy.	12-01-91	28/00.	9-E.	F.C.
167995 (623/Del/86)	14-07-86	ALCAN INTERNATIONAL LIMITED.	Process for producing an electrochemically active aluminium alloy anode.	19-01-91	21/00.	9A & F-XXXIII(1).	F.C.
168105 (796/Del/86)	08-09-86	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A process for the production of creep resistant stainless steel.	02-02-91	38/38.	9-D.	I.C.
168154 (374/Cal/87)	08-05-87	INSTITUT SVERKHTEVERDYKH MATERIALOV AKADEMII NAUK UKRAINSKOI SSSR.	Process for producing diamond containing composite material.	09-02-91	26/00.	40-F; 131-A ₂ , B ₃ .	F.C.
168226 (534/Cal/87)	13-07-87	KABEL-UND METALLWERKE GUTEHOFFNUNGS HUTTE AKTIENGESSELLSCHAFT.	Process for the manufacture of copper alloy for use as material for the manufacture of continuous casting ingot moulds.	23-02-91	1/00. 9/00	9-E, F and 33-F	F.C.
168294 (781/Del/86)	02-09-86	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	Process for the manufacture of aluminium alloy-silica sand composite for break linear and engineering applications.	09-03-91	21/00.	9-A & F.	I.C.

1	2	3	4	5	6	7	8
168301 (780/Del/86)	02-01-86	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A process for the manufacture of aluminium graphite particulate composite, using uncoated graphite particles for automobile and engineering applications.	09-03-91	21/00.	9-A.	I.C.
168411 (854/Del/86)	18-12-86	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	Improved process for the production of magnesium alloy anodes.	30-03-91	1/03.	9-A.	I.C.
168465 (726/Mas/86)	09-09-86	SANTRADE LIMITED.	Method of making a powder particle for preparation of a finegrained hard material alloy.	06-04-91	33/04.	9-D-Group-XXXIII(1).	F.C.
168777 (927/Mas/86)	01-12-86	INLAND STEEL COMPANY.	An improved process for the manufacture of a bismuth containing steel.	01-06-91	33/04.	108-c ₃ -Group-XXXIII(5).	
168885 (928/Mas/86)	01-12-86	INLAND STEEL COMPANY.	An improved method for producing steel.	06-07-91	33/04.	9-F-Group-XXXIII(1).	F.C.
168983 (209/Cal/87)	12-03-87	CENTRO SVILUPPO MATERIALI S.P.A.	Process for the manufacture of austenitic steel with improved high temperature strength and corrosion resistance.	03-08-91	38/00.	9-D + 9-F.	F.C.
169010 (575/Cal/87)	27-07-87	MOSKOVSKY INSTITUT STALI I SPLAVOV.	Method for preparing ferro-carbon material for use in steel manufacture and furnace therefor.	10-08-91	32/00.	9-D.	F.C.
169104 (981/Mas/86)	16-12-86	INCO ALLOYS INTERNATIONAL INC.	A process for preparing a dispersion strengthened aluminium-titanium alloy in composite powder form.	07-09-91	1/04, 1/05, 1/06.	9-A-Group-XXXIX(1).	F.C.
169115 (982/Mas/86)	16-12-86	INCO ALLOYS INTERNATIONAL INC.	A method for forming aluminium base alloys by mechanical alloying techniques.	07-09-91	1/04, 1/05, 1/06.	9-A-Group-XXXIII(1).	F.C.
169148 (343/Del/87)	20-04-87	IMI TITANIUM LIMITED.	Method of manufacturing titanium-base alloys.	07-09-91	14/00.	95-E.	F.C.
169153 (35/Mas/87)	20-01-87	ELKEM METALS COMPANY.	A process for making an inoculant for cast or ductile iron.	07-09-91	33/08.	9-E-Group-XXXIII(1).	F.C.
169351 (299/Mas/87)	23-04-87	SANTRADE LIMITED.	A method of manufacturing a cemented tungsten carbide body for rock drilling or mineral cutting.	28-09-91	5/04.	9-E; 12-B; 131-B, Group-XXXIII(1); XXXIII(2), XXXIII(3).	F.C.
169435 (151/Cal/87)	27-02-87	1. VSESOJUZNY NAUCHNOISLEDovATELSKY I PROEKTNY INSTITUT ALJUMINIEVOI, MAGNIEVOI I ELEKTRODNOI PROMYSHLENNOSTI. 2. SPETSIALNOE KONSTRUKTOR SKOEB BURO MAGNITNOI GIDRODINAMIKI INSTITUTA FIZIKI AKADEMII NAUK LATVISSKOI SSR.	Process for producing aluminium silicon alloy with content of silicon of 2-22% by mass.	19-10-91	1/10, 21/04.	9-F & A.	F.C.

1	2	3	4	5	6	7	8
169492 (282/Cal/88)	05-04-88	OWENS-CORNING FIBER-GLAS CORPORATION.	An improved cast article such as spinner and a method for the manufacture of same.	26-10-91	1/00, 19/00, 19/07, 16/00, 19/05.	33-H & 9-C & E, F.	F.C.
169594 (412/Cal/88)	24-05-88	CIME BOCUZE.	Process for the preparation of shaped products from tungsten-nickel-iron alloys.	16-11-91	33/02, 38/08, 38/10, 38/04.	9-D.	F.C.
169711 (664/Cal/88)	05-08-88	KM-KABELMETAL AKTIENGESELLSCHAFT.	Improvements relating to ingot moulds in particular continuous casting ingot moulds and the like.	14-12-91	9/00, 9/05, 9/06, 9/10.	33-A & F, 9-E & F.	F.C.
169723 (439/Mas/87)	16-06-87	IMPERIAL SMELTING PROCESSES LIMITED.	Apparatus for producing copperrich alloy from a molten lead rich copper/lead alloy.	14-12-91	9/03.	9-E & F- Group-XXXIII (1).	F.C.
169758 (711/Cal/89)	31-08-89	SOLAREX CORPORATION.	Process for preparing a positively doped hydrogenated amorphous silicon alloy.	21-12-91	21/00.	206-E; 9-E.	F.C.
169759 (712/Cal/89)	31-08-89 ante dated to 13-02-87	SOLAREX CORPORATION.	Process for preparing hydrogenated amorphous silicon alloy.	21-12-91	21/00.	9-E; 206-E.	F.C.
169840 (710/Cal/89)	31-08-89 ante dated to 13-02-87	SOLAREX CORPORATION.	Process for preparing a negatively doped hydrogenated amorphous silicon alloy.	28-12-91	21/00.	9-E; 205-E.	F.C.
<p>C 23 : COATING METALLIC MATERIAL; COATING MATERIAL WITH METALLIC MATERIAL; CHEMICAL SURFACE TREATMENT; DIFFUSION TREATMENT OF METALLIC MATERIAL; COATING BY VACUUM EVAPORATION, BY SPUTTERING, BY ION IMPLANTATION OR BY CHEMICAL VAPOUR DEPOSITION, IN GENERAL; INHIBITING CORROSION OF METALLIC MATERIAL OR INCRUSTATION IN GENERAL.</p> <p>C 23 C : Coating metallic material; Coating material with metallic material; Surface Treatment of metallic material by diffusion into the surface, by chemical conversion or substitution; Coating by vacuum evaporation, by sputtering, by ion implantation or by chemical vapour deposition, in general.</p>							
167895 (1017/Del/86)	11-09-87	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	Improved black chromium plating bath useful for solar selective coatings.	05-01-91	22/13.	183-XXIII(9)/ 70-C4.	I.C.
167987 (771/Cal/87)	29-09-87	LAMERIE, N.V.	Compositions for silver plating and polishing.	19-01-91	18/03, 18/52, 18/54, 30/00.	70-C4; 183.	F.C.
168448 (671/Cal/87)	27-08-87	1. DANILL BORISOVICH GORODETSKY. 2. BORIS SHELIKOVICH KHATIN. 3. RAFAIL AKIMOVICH VITCHUK.	Method for low-temperature carbonitriding of steel pieces.	05-04-91	8/32.	12-B.	F.I.
168455 (1142/Del/86)	21-10-87	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	Improvements in or relating to the process for the preparation of anti-tarnishing lacquer for Copper and its alloys.	05-04-91	22/52.	183.	I.C.

1	2	3	4	5	6	7	8
168534 (496/Del/87)	09-06-87	DENEPROPETROVSKY GOSUDARSTVENNY- UNIVERSITET IMENI- 300-LETIA VOSSOE- DINENIA UKRAINY S. ROSSIET.	A process for preparing an organic additive for use in a conventional zinc plating electrolyte.	20-04-91	22/53.	188.	F.C
168726 (607/Del/87)	16-07-87 ante dated to 27-10-84	UNION CARBIDE CORPORATION.	A method for coating a sub- strate.	25-05-91	4/04, 4/08.	144-A.	F.C.
168774 (829/Mas/86)	22-10-86	INLAND STEEL COMPANY.	An improved method for vertical continuous casting of molten steel.	01-06-91	24/00.	33-D-Group- XXXIII(3).	F.C.
169039 (507/Cal/88)	22-06-88	GENERAL ELECTRIC COMPANY.	Apparatus and method for deposition of diamond on a surface of a substrate.	24-08-91	8/36.	40-F.	F.C
169043 (83/Cal/88)	01-02-88	GENERAL ELECTRIC COMPANY.	A process for the manufacture of an oxidation and hot cor- rosion resistant composite article.	24-03-91	4/00.	9-D; 103, 108.	F.C.
169091 (471/Cal/86)	25-06-86	ANDAL CORPN.	Improved electric arc vapor deposition method and apparatus.	07-09-91	14/34.	188, 206-E.	F.C
169273 (780/Del/87)	03-09-87 ante dated to 01-01-85.	BIEC INTERNATIONAL INC.	An aqueous zinc chloride based flux for treating ferrous articles.	21-09-91	22/12, 22/34, 30/00.	188.	F.C.
169350 (271/Mas/87)	10-04-87	FOSECO INTERNATIO- NAL LIMITED.	An improved exothermic compositions.	28-09-91	22/50; 30/00.	33-D-Group- XXXIII(3).	F.C.
169576 (381/Cal/88)	11-05-88	LANXIDE TECHNO- LOGY COMPANY, LP.	A method of producing a metal matrix composite.	16-11-91	2/00, 10/00.	93; 35-E.	F.C.
169705 (476/Mas/87)	02-07-87	KAHUSHIKI KAISHA TOYOTA CHUO KENK- YUSHO.	A method of and an apparatus for producing a coated sub- strate.	14-12-91	18/52, 8/54.	12-B-Group- XXXIII(2).	F.C.
169706 (475/Mas/87)	02-07-87	KABUSHIKI KAISHA TOYOTA CHUO KENK- YUSHO.	An improved method for making a carbide or diffusion layer coated article.	14-12-91	10/24.	188-Group- XXXIII(9).	F.C.
C 23 D : Enamelling of, or applying a vitreous layer to, metals.							
168611 (985/Del/86)	10-11-86	IMPERIAL CHEMICAL INDUSTRIES P.L.C.	An aqueous coating composi- tion.	04-05-91	11/00.	144-B.	F.C.
C 23 F : Non-mechanical removal of metallic material from surfaces; Inhibiting corrosion of metallic material; Inhibiting incrustation in general; Multistep processes for surface treatment of metallic material involving at least one process provided for in class C 23 and at least one process covered by sub-class C 21 D or C 22 F or Class C 25.							
169129 (942/Del/88)	02-11-88 ante dated to 06-03-86	COUNCIL OF SCIENTI- FIC AND INDUSTRIAL RESEARCH.	A process for the preparation of catalysed oxygen scavengers suitable for removal of dissolv- ed oxygen in water.	07-09-91	15/00.]	103.	I.C.

1	2	3	4	5	6	7	8
169137 (943/Del/88)	02-11-88 ante dated to 06-03-86	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A process for the preparation of catalysed oxygen scavengers suitable for removal of dissolved oxygen in water.	07-09-91	15/00	103	I.C.
169271 (678/Del/87)	30-01-87	INSTITUT DE RESEARCH DE LA SIDERURGEE FRANCAISE (IRSID)	Process for preparing protectively coated iron and steel product.	21-09-91	15/00	103	F.C.
169371 (205/Del/86)	06-03-86	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	A process for the preparation of catalysed oxygen scavengers suitable for prevention of metallic corrosion in systems using different grades of waters.	05-10-91	15/00	103	I.C.
169556 (603/Cal/88)	19-07-88 ante dated to 12-07-85	BETZ INTERNATIONAL INC.	Method of treating aqueous medium to protect ferrous metal parts exposed to the aqueous medium from corrosion and/or scale formation.	09-11-91	11/00	103, 201C & D.	F.C.
C 23 G : Cleaning or de-greasing of metallic material by chemical — methods other than electrolysis.							
169338 (751/Cal/88)	08-09-88	INSTITUT KHIMII NEFTI SIBIRSKOGO OTDELENIYA AKADEMII NAUK SSSR.	Method of cleaning work - pieces and an apparatus for carrying out the method.	23-09-91	5/00	40-F.	F.C.
C 25 : ELECTROLYTIC OR ELECTROPHORETIC PROCESSES; APPARATUS THEREFOR							
C 25 B : Electrolytic or electrophoretic process for the production of compounds or non-metals; Apparatus therefor.							
168331 (464/Cal/87)	15-06-87	ALUMINIUM PRECHINEY	Method for producing individually and permanently digitally coded (Marked) precooked anodes for the electrolytic production of aluminium.	16-03-91	11/00	70-B; C2,	G.C.
168677 (420/Cal/89)	01-06-89 ante dated to 01-04-87	BORDEN INC.	Electrodes.	18-05-91	11/00, 11/12	70-B; 152-E.	F.C.
168678 (421/Cal/89)	01-06-89 ante dated to 01-04-87	BORDEN INC.	A composition useful as a tamping and ramming composition adaptable and suitable for use in monolithic shape construction.	18-05-91	11/00, 11/12	152-D;B.	F.C.
168844 (97/Bom/89)	17-04-89	VASANTBHAI DESAIBHAI PATEL AND AMBALAL RAMDAS PATEL.	Filter press type circular bipolar water electrolyser.	22-06-91	1/08	70-B-LVIII (5)	I.I.
168910 (523/Cal/90)	25-06-90 ante dated to 22-10-86	PENNWALT CORPORATION.	Electrolytic cell for the production of halogens or halates from their corresponding brine electrolytes.	06-07-91	9/00	70-A.	F.C.
169116 (990/Mas/86)	18-12-86	THE DOW CHEMICAL COMPANY.	A method for forming a solid polymer electrolyte structure.	07-09-91	9/00, 11/03, 11/12.	32-E- Group-IX (1).	F.C.

1	2	3	4	5	6	7	8
169374 (1063/Del/86)	03-12-86	IMPERIAL CHEMICAL INDUSTRIES PLC	Electrode for use in an electrolytic cell.	05-10-91	11/02, 11/03.	14-A ₂ .	F.C.
169423 (44/Bom/89)	23-02-89	ION EXCHANGE (INDIA) LTD.	A novel electro chlorinator having a novel electrode system comprising a pair of electrode assemblies.	12-10-91	9/00, 9/02.	70-B-LVIII(5)	I.C.
169512 (380/Cal/88)	11-05-88	ALUMINIUM PECHINEY.	Closure device for an open chamber ring furnace.	02-11-91	11/00,	85-J;70-B	F.C.
169663 (364/Mas/87)	18-05-87	ALUMINIUM PECHINEY	A method of manufacturing baked anodes intended for the production of aluminium by electrolysis.	30-11-91	11/12.	70-B-Group LVIII (5).	F.C.
169743 (892/Del/86)	07-10-86	IMPERIAL CHEMICAL INDUSTRIES PLC.	Electricity cell.	14-12-91	11/00, 11/20.	70-A.	F.C.

**C 25 C : Process for the electrolytic production recovery or refining of metals;
Apparatus therefor.**

168331 (464/Cal/87)	15-06-87	ALUMINIUM PERCHINEY.	Method for producing individually and permanently digitally coded (marked) precooked anodes for the electrolytic production of aluminium.	16-03-91	3/06.	70-B;C2.	F.C.
165889 (853/Mas/86)	04-10-86	MOSAL ALUMINIUM ELKEM A/S & CO.	An electrolytic cell suitable for molten salt electrolysis and a method for producing the same.	04-05-91	3/08.	70-A-Group-LVIII(5).	F.C.
168897 (214/Cal/88)	14-03-88	DEUTSCHE CARBONE AG.	A method for the precipitation of mercury by electrolysis.	06-07-91	1/00.	130-I; 70-C.	F.C.
169664 (359/Mas/87)	15-05-87	ALUMINIUM PECHINEY.	A pneumatic suspension device for a machine for compacting carbonaceous blocks.	30-11-91	3/12.	136-J; Group-XIII.	F.C.
169671 (594/Cal/88)	15-07-88	SCHMIDT+CLEMENS GMBH & CO.	Roller for material to be transported.	30-11-91	4/00.	129-J, 188.	F.C.
169735 (308/Cal/88)	15-04-88	ALUMINIUM PECHINEY.	Process for the production of aluminium by electrolysis of aluminium and an apparatus therefor.	14-12-91	1/00.	130-I; 70-C ₄ .	F.C.

**C 25 D : Processes for the electrolytic or electrophoretic production of coatings;
Electroforming apparatus therefor.**

168136 (874/Del/86)	01-10-86 ante dated to) 24-01-84	KOLLMORGAN TECHNOLOGIES CORPORATION.	A method for the manufacture of printed circuit boards.	09-02-91	5/24.	70-C1; 188.	F.C.
168328 (446/Cal/87)	09-06-87	GOULD INC.	A method of producing a composite copper foil having two matte surfaces.	16-03-91	1/04.	70-C4.	F.C.
168533 (480/Del/87)	04-06-87	N.V. BEKAERT S.A.	A method of producing steel reinforcing elements in the form of steel wire.	20-04-91	77/06.	188	F.C.
168603 (246/Bom/88)	29-08-88	ECO-TEC LIMITED.	A process for electroplating metals and an apparatus therefor.	04-05-91	5/00, 17/10.	70-C ₄ VII(5).	F.C.

1	2	3	4	5	6	7	8
168642 (905/Mas/86)	25-11-86	BASF LACKE AND FARBEN AG.	A binder composition for cathodic electro coating.	11-05-91	9/02.	70-C ₇ & 152E; Groups-LVIII (5) & XII(2).	F.C.
168643 (904/Mas/86)	25-11-86	BASF LACKE AND FARBEN AG.	A binder composition for cathodic electro coating.	11-05-91	9/02.	70-C ₇ & 152E- Groups-LVIII (5) & XII(2).	F.C.
168694 (960/Mas/86)	10-12-86	KANSAI PAINT CO. LTD.	Electrodeposition coating method.	18-05-91	5/02, 9/08.	70-C ₅ Group-LVIII(5).	F.C.
168975 (411/Cal/87)	25-05-87	RUDOLF HRADCO- VSKY.	Method of coating articles of aluminium.	03-08-91	3/00 3/52, 3/54	70-C ₄	F.C.
168985 (504/Cal/87)	30-06-87	ADAPTIVE INSTRU- MENTS CORPORATION.	A battery charger.	03-08-91	5/18.	14-C, D ₂ ; 70-A+B+C ₄ .	F.C.
169671 (594/Cal/88)	15-07-88	SCHMIDT+CLEMENS GMBH & CO.	Roller for material to be transported.	30-11-91	3/00.	129-J; 188	F.C.

CU 30 : CRYSTAL GROWTH

C 30 B : Single-crystal growth; Unidirectional solidification of eutectic materials or unidirectional demixing of eutectoid materials; After-treatment of single crystals; Doping processes for crystals in general; Refining by zone-melting of materials in general Apparatus therefor.

168202 (872/Cal/87)	06-11-87	WESTINGHOUSE ELEC- TRIC CORPORATION	A method and apparatus for growing silicon dendritic web crystals.	16-02-91	35/00.	139-B.	F.C.
168216 (933/Cal/17)	27-11-87	VSESOJUZNY NAUCHNO- ISSLEDOVATELSKY PROEKTNO-KONSTRUK- -TORSKY I TEKHNOLO- GICHESKY INSTITUT ELEKTROTERMICHES- KOGO OBOURODOVANIA (VNIETO)	Apparatus for growing pro- filed single crystals of high melting transparent metal compounds.	23-2-91	35/00.	40-F.	F.C.
168934 (29/Cal/88)	13-01-88	WESTINGHOUSE ELEK- TRIC CORPORATION.	Apparatus for silicon dendri- tic web crystal growth.	20-07-91	9/00	33-D; F.	F.C.
169536 (542/Cal/88)	01-07-88	LANXIDE TECHNOLO- GY COMPANY, LP.	A method for producing direct contact heat storage medium	09-11-91	15/00, 31/00.	9-F, 31-HC, 93.	F.C.
169537 (547/Cal/88)	04-07-88	LANXIDE TECHNOLO- GY COMPANY, LP.	Method for forming com- plex oxidation reaction pro- ducts including superconduct- ing articles.	09-11-91	15/00, 31/00.	9-F; 31-C, 93.	F.C.
169551 (579/Cal/88)	11-07-88	SIEMENS AKTIENGE- SELLSCHAFT.	A method for producing amorphous hydrogenated carbon.	09-11-91	23/00, 29/04, 25/00.	9-F & 93.	F.C.
169576 (381/Cal/88)	11-05-88	LANXIDE TECHNOLO- GY COMPANY, LP.	A method of producing a metal matrix composite.	16-11-91	15/00.	93, 35-E.	F.C.
169659 (591/Cal/88)	14-07-88	LANXIDE TECHNOLO- GY COMPANY, LP	Method of producing self- supporting bodies.	30-11-91	15/00, 29/36, 29/52,	9-A & D; 35-E, 93.	F.C.

1	2	3	4	5	6	7	8
SECTION-D : TEXTILES: PAPER.							
D 01 : NATURAL OR ARTIFICIAL THREADS OR FIBRES, SPINNING							
D 01 B : Mechanical treatment of natural fibrous or filamentary material to obtain fibres or filaments, e.g. for spinning.							
169228 (338/Mas/87)	11-05-87	CENTRAL SILK TECHNOLOGICAL RESEARCH INSTITUTE.	A silk reeling charkha.	14-09-91	7/06.	172-D ₄ -Group-XX.	I.C.
169229 (463/Mas/87)	25-06-87	CENTRAL SILK TECHNOLOGICAL RESEARCH INSTITUTE.	A hand spinning machine for silk yarn.	14-09-91	7/04.	172-D ₄ -Group-XX.	I.C.
D 01 D : Mechanical methods or apparatus in the manufacture of artificial filaments threads fibres, bristles, or ribbons-							
168002 (319/Cal/87)	22-04-87	E.I. DU PONT DE NEMOURS AND COMPANY.	Improvements in or relating to a melt spinning process and apparatus therefor.	19-01-91	4/00, 5/00.	34-A; 172-B.	F.C.
168546 (973/Cal/87)	14-12-87	E.I. DU PONT DE NEMOURS AND COMPANY.	An apparatus for melt spinning polymer.	20-04-91	5/08, 5/088.	34-A; 172-E.	F.C.
168796 (196/Del/87)	05-03-87	ALLIED CORPORATION.	Method for the manufacture of a fiber reinforced composite article.	08-06-91	5/00, 5/08, 10/00.	90-I.	F.C.
168835 (813/Cal/87)	19-10-87	E.I. DU PONT DE NEMOURS AND COMPANY.	Polyester fiberballs and process of making same.	22-06-91	10/00.	172-F, 155-A, 34-D F.	F.C.
169210 (96/Mas/87)	13-02-87	ENICHEM FIBRE S.P.A.	A process for preparing acrylic fibres by wet spinning.	14-09-91	5/06.	172-B-Group-XX.	F.C.
169492 (282/Cal/88)	05-04-88	OWENS-CORNIN FIBERGLAS CORPORATION	An improved cast article such as spinner and a method for the manufacture of same.	26-10-91	4/02.	33-H & 9-C & E & F.	F.C.
169552 (588/Cal/88)	13-07-88	E.I. DU PONT DE NEMOURS AND COMPANY.	A fiber finish and polyamide yarns comprising the same.	09-11-91	11/00.	152-F, 155-A.	F.C.
169609 (357/Mas/87)	15-05-87	1. KURARAY CO. LTD. 2. MITSUI TOATSU CHEMICALS INC.	A process for producing heat resistant organic synthetic fibres.	23-11-91	5/06.	34-A-Group-XI.	F.C.
D 01 F : Chemical features in the manufacture of artificial filaments, threads, fibres, bristles, or ribbons.							
168201 (723/Cal/87)	09-09-87	E.I. DU PONT DE NEMOURS AND COMPANY.	Continuous process for preparing polyester draw-texturing feed yarns.	16-02-91	11/00.	34-D.	F.C.
168504 (37/Cal/88)	15-01-88	DIDIER ENGINEERING GMBH.	An improved process and apparatus for producing carbon fibres.	13-04-91	9/12.	139-A.	F.C.
168516 (218/Cal/88)	14-03-88 ante dated to 23-04-84	E.I. DU PONT DE NEMOURS AND COMPANY	A crimped filament of poly (ethylene terephthalate).	20-04-91	6/00, 6/62, 11/00.	34-C;D & 172F.	F.C.

1	2	3	4	5	6	7	8
168633 (38/Cal/88)	15-01-88	DIDIER ENGINEERING GMBH.	A process and an apparatus for producing anisotropic carbon fibres.	11-05-91	9/12.	139-A.	F.C.
168824 (812/Cal/87)	19-10-87	E.I. DU PONT DE NEMOURS AND COMPANY.	An improved polyester fiber fill blend.	15-06-91	8/00, 8/14, 9/00, 11/00.	34-D, 155-A, 172-R.	F.C.
168977 (722/Cal/87)	09-09-87	E.I. DU PONT DE NEMOURS AND COMPANY.	Continuous process for preparing polyester draw-texturing feed yarns.	03-08-91	11/00.	34-A.	F.C.
169033 (396/Cal/88)	17-05-88	E.I. DU PONT DE NEMOURS AND COMPANY.	An improved fibrous pulp of oriented polyethylene fibrils and process for making same.	24-08-91	6/00.	35-A; 152-E.	F.C.
169609 (357/Mas/87)	15-05-87	1. KURARXY CO. LTD. 2. MITSUI TOATSUI CHEMICALS INC.	A process for producing heat resistant organic synthetic fibres.	23-11-91	6/74, 6/90.	34-A- Group-X.	F.C.
169646 (851/Del/87)	25-09-87	SIR PADAMPAT RESEARCH CENTRE.	A process for producing hydrophilic acrylic fibre.	30-11-91	1/10.	74.	I.C.
169715 (813/Cal/88)	03-10-88	JOHNSON & JOHNSON.	A method of making mesoporous activated carbon layer on cellulosic fibrous material for use in a wound dressing.	14-12-91	11/00.	128-A +55E.	F.C.
169752 (902 Cal/89)	27-10-89 ante dated to 17-02-87	MANVILLE CORPORATION.	Inorganic fiber forming composition.	21-12-91	9/08.	39-E.	F.C.
D 01 G : Preliminary treatment of fibres. e-g- for spinning.							
167909 (748/Mas/86)	23-09-86	SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT.	Cylinder for carding machines.	05-01-91	15/00.	172-C.1 Group-XX.	F.C.
168010 (949/Cal/87)	03-12-87	TRWTZOCHLER GMBH & CO. KG.	An apparatus for identifying foreign bodies inside or between textile fibre flocks/tufts and their removal.	19-01-91	9/00.	172-C ₃ ; F.	F.C.
168179 (719/Cal/87)	09-09-87	TRUTZSCHLER GMBH & CO. KG.	An opening device for the opening of compressed fibre bales.	16-02-91	7/00.	172-C ₃ ; 9-B.	F.C.
168357 (879/Mas/86)	11-11-86	SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT.	A device for removing a fibre mat leaving a pair of rollers and forming it into a sliver.	16-03-91	15/10.	172-C ₁ - Group-XX.	F.C.
168828 (92/Cal/88)	03-02-88	TRUTZSCHLER GMBH & CO. KG.	A device for the detection of foreign bodies like metal parts, wires or similar things within or between the textile fibre flakes.	15-06-91	9/00.	172-C ₃ ; 5, 9.	F.C.
168968 (690/Cal/88)	17-08-88	STAEDTLER & UHL.	Needle strip in a particular a top comb for textile machinery.	27-07-91	19/00.	172-D.	F.C.

1	2	3	4	5	6	7	8
168982 (94/Cal/87)	30-01-87	TRUTZSCHLER GMBH & CO. KG.	A fiber bale opener.	03-08-91	7/04, 7/06, 7/10	17 C B 9.	F.C.
169026 (209/Cal/88)	10-03-88	TRUTZSCHLER GMBH & CO. KG.	Device for the transportation of sliver cans by means of a circulating conveyor element.	17-08-91	15/46, 21/00.	172-B, 4, 5, 9.	F.C.
169185 (212/Mas/87)	24-03-87	MASCHINENFABRIK REITER AG.	Device for cleaning the flats in a revolving flats card.	14-09-91	15/78.	172-C- Group-XX	F.C.
169228 (338/Mas/87)	11-05-87	CENTRAL SILK TECH- NOLOGY RESEARCH INSTITUTE.	A silk reeling charkha.	14-09-91	15/62, 17/00.	172-D ₄ - Group-XX.	I.C.
169229 (463/Mas/87)	25-06-87	CENTRAL SILK TECH- NOLOGICAL RE- SEARCH INSTITUTE.	A hand spinning machine for silk yarn.	14-09-91	17/00.	172-D ₄ - Group-XX.	I.C.
169458 (180/Cal/88)	01-03-88	TRUTZSCHLER GMBH & CO. KG.	A control device in a carding machine.	19-10-91	15/00, 15/36.	172-CI. E-9.	F.C.
169698 (757/Cal/88)	09-09-88	TRUTZSCHLER GMBH & CO. KG.	A device for feeding uniform blend of card sliver or spun bonded tissues in machines such as carding engines, cleaner and similar machines used in the art for blending of card sliver or spunbonded tissues.	07-12-91	15/00.	172-C ₁ .	F.C.
169699 (758/Cal/88)	09-09-88	TRUTZSCHLER GMBH & CO. KG.	A device for feeding desired blend of card sliver or spun- bonded tissues in machine.	07-12-91	15/00.	190-D.	F.C.
169708 (470/Mas/87)	30-06-87	MASCHINENFABRIK RIETER AG.	Device for cleaning the flats of a revolving flats card.	14-12-91	15/78.	172-C ₁ - Group-XX.	F.C.

D 01 H : Spinning or twisting.

167889 (861/Mas/86)	04-11-86	SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLS- CHAFT.	An apparatus for supplying conical bobbins to the winding stations of a textile machine.	05-01-91	9/02.	172-D- Group-XX.	F.C.
168013 (658/Mas/86)	13-08-86	MASCHINENFABRIK RIETER AG.	An improved method of spinning yarn in a friction spinning device.	19-01-91	7/882.	172-D ₈ - Group-XX.	F.C.
168016 (698/Mas/86)	29-08-86	SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLS- CHAFT.	A method and an apparatus for open and friction spinning.	19-01-91	7/882.	172-B- Group-XX.	F.C.
168020 (959/Mas/86)	16-12-86	SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELSCHAFT.	A improved method and device for spinning yarn from sliver	19-01-91	5/28.	172-D- Group-XX	F.C.
167706 (699/Mas/86)	29-08-86	SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELSCHAFT.	An open end spinning app- aratus.	02-02-91	7/882	172-D- Group XX	F.C.
168077 700/Mas/867	29-08-86	SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELSCHAFT	Method and device for pro- ducing yarns by joining thread in an open end fric- tion spinning apparatus.	02-02-91	7/882	172-B- Group-XX	F.C.

1	2	3	4	5	6	7	8
168438 (980/Mas/86)	16-12-86	SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT	A method and device for joining the thread in an open- end friction spinning machine	06-04-91	7/882	172-D-1 172-D-Group XX	F.C.
168528 (715/Cal/88)	26-08-88	MRS. GERHILD SCHLOTTER	Bobbin.	20-04-91	1/10, 1/16.	172-A.	F.C.
168681 (784/Mas/86)	16-10-86	MASCHINENFABRIK RIETER AG.	A textile machine comprising a plurality of operating stations.	18-05-91	9/00, 13/00	172-B- Group-XX.	F.C.
168699 (499/Mas/87)	22-06-87	ZELLWEGER USTER LTD.	Device for the automatic determination of parameters of textile test goods such as threads, roves and slivers.	18-05-91	13/04	172-D ₄ Group-XX	F.C.
168828 (92/Cal/88)	03-02-88	TRUZZIER GMBH & CO. KG.	A device for the detection of foreign bodies like metal parts, wires or similar things within or between the textile fibre flakes.	15-06-91	13/00,	172-C- 5. 9.	F.C.
168839 (234/Cal/88)	21-03-88	MASCHINENFABRIK RIETER AG.	Improved device for winding down the yarn of a yarn package on the spindle of a spinning machine.	22-06-91	9/00.	172-D-2,4.	F.C.
169830 (304/Cal/88)	13-04-88	TEIJIN SEIKI CO. LTD.	A ring winding apparatus.	17-08-91	7/00, 7/62,	172-D8.	F.C.
169156 (113/Mas/87)	19-02-87	PALITEX PROJECT- COMPANY GMBH.	A thread brake mechanism for a spindle assembly of a thread processing machine.	07-09-91	7/86.	172-D- Group-XX	F.C.
169298 (234/Mas/89)	22-03-89 ante dated to 03-12-85	MASCHINENFABRIK RIETER AG.	A traversing service device for servicing operating stations of yarn processing machine.	21-09-91	9/04.	172-D ₃ Group-XX	F.C.
169403 (149/Mas/87)	03-03-87	SCHUBERT & SALZER KMASCHINENFABRIK AKTIENGESELLSCHAFT	An apparatus for servicing the work stations of spinning or twisting machines.	12-10-91	9/00. 1100	172-D ₄ Group-XX	F.C.
D 02 : YARNS : MECHANICAL FINISHING OF YARNS OR : ROPES ; WARNING OR BEAMING							
D 02 G : Crimping or curling fibres filaments, yarns or threads : Yarns or threads;							
168020 (959/Mas/86)	16-12-86	SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT.	An improved method and device for spinning yarn from sliver.	19-01-91	1/04.	172-D- Group-XX	F.C.
169084 (749/Cal/87)	21-09-87	E.I.DU PONT DE MEMOURS AND COM- PANY.	A process for making tire yarn thereby produced.	31-08-91	3/48.	136-M1 172-F.	F.C.
169563 (374/Mas/87)	20-05-87	MICHELIN & CIE (COMPAGNIE GENE- RALE DES ETABLIS- SEMENTS MICHELIN)	A process for producing rein- forced tire and a machine thereof.	09-11-91	3/48.	205-F- Group-LVI.	F.C.
169657 (587/Cal/88)	13-07-88	E.I.DU PONT DE NEMOURS AND COM- PANY.	A polyamide yarn.	30-11-91	3/48.	136-M Z72-F 205G H.	F.C.
D 02 J : Finishing or dressing of filaments, yarns, threads, cords ropes, or the like.							
168221 (218/Cal/87)	18-03-87	EMS-INVENTA AG.	Apparatus for cooling and conditioning melt spun fil- aments.	23-02-91	13/00.	34-A.	F.C.

1	2	3	4	5	6	7	8
D 03 : WEAVING							
D 03 C : Shedding mechanisms; Pattern cards or chains ; Punching of cards; Designing patterns.							
168007 (661/Cal/87)	20-08-87	LENSING AKTIEN- GESELLSCHAFT.	Shed-forming apparatus for doup weave.	19-01-91	13/00.	119-B,C.	F.C.
D 03 D : Woven fabrics methods of Weaving Looms.							
167918 (1044/Del/86)	28-11-86	SUDAKOMA KOGYO KABUSHIKI KAISHA.	An apparatus for removing a faulty weft on a jet loom	05-01-91	47/00.	119-F XXXI(3).	F.C.
167929 (757/Cal/87)	24-09-87	MERCEDES TEXTILES LIMITED.	Apparatus for depositing con- tinuously an extruded elasto- meric material on the interior of a continuous tubular woven fabric in a loom	12-01-91	37/00.	119-B, D.	F.C.
168133 (641/Del/86)	17-07-86	THE GOODYEAR TIRE & RUBBER COMPANY	Process for manufacturing a high strength woven fabric from a greige woven fabric.	09-02-91	15/00. 25/00.	74-XXI(1)	F.C.
169269 (1042/Del/86)	28-11-86	TSUDAKOMA KOGYO KABUSHIKI KAISHA.	A jet loom having apparatus for removing a faulty weft from a shed of the jetloom after stoppage and for restarting the loom thereafter.	21-09-91	45/00, 47/00.	119-A & F.	F.C.
169446 (165/nom/88)	31-07-89	AHMEDABAD TEXTILE INDUSTRIES REAS- EARCH ASSOCIATION	A pirn transfer device for over pick plain loom	19-10-91	45/00, 45/06.	119-F-4 XXX(3).	I.C.
169629 (883/Mas/87)	08-01-87	VIMATEX S.P.A.	An improved device guide the motion of a pair of weft carrying grippers inside the shed of weaving looms.	23-11-91	47/18, 49/50.	199-F Group-XXI (3)	F.C.
D 04 : BRAIDING; LACE MAKING; KNITTING; TRIMMINGS; NON- WOVEN FABRICS.							
D 04 B : Knitting.							
167886 (881/Mas/86)	28-05-87	THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION.	A fabric take down mechani- sm for hand operated flat knitting machines.	05-01-91	7/34.	110-Group- XXI(2).	I.C.
168095 (877/Mas/86)	19-01-88	THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION.	A novel loop forming ele- ment for knitting machines used for converting yarns into fabrics.	02-02-91	9/00.	110-Group XXI(2).	I.C.
168937 (98/Cal/88)	04-02-88	VITEBKSY TECHNO- LOGICHESKY INSTITUT LEGKOI PROMYSHLENN- OSTI.	Single-warp knitted pile fabric.	70-07-91	7/12.	110.	F.C.
D 04 H : Making textile fabrics e.g. from fibres or filamentary material; Fabrics made by such processes or apparatus; e.g. felts, non-woven fabrics; Cotton-wool Wadding.							
168120 (1008/Cal/87)	29-12-87	NESTLE OY.	Non-woven fibre product.	09-02-91	3/00, 1/00.	172-F-	F.C.
168553 (687/Cal/87)	31-08-87	E.I.DU PONT DE NE- MOURS AND COMPANY	A filler composition process for manufacture and a fibrous sheet material having said filler composition.	27-4-91	5/00.	155-F ₁ , A E.34-C.	F.C.

1	2	3	4	5	6	7	8
168835 (813/Cal/87)	19-10-87	E.I. DU PONT DE NE- MOURS AND COMPANY	Polyester fiberballs and proce- ss of making same.	22-06-91	5/00	172-F, 155-A, 34-D-F.	F.C.
168956 (111/Cal/88)	08-02-88	E.I. DU PONT DE NE- MOURS AND COMPANY	Process for preparing improv- ed polyester fiberfill.	27-07-91	3/00.	155-C.	F.C.
168986 (625/Cal/87)	11-08-87	MENZOLIT GMBH.	Process for producing a tangled fibre material from glass fibres and ploymer for the production of glass fibre- reinforced plastic mouldings and apparatus for performing the process.	03-08-91	1/00.	34-C; 90-F1; 155-B C E.	F.C.
D 06 : TREATMENT OF TEXTILES OR THE LIKE; LAUNDERING FLEXIBLE MATERIALS NOT OTHERWISE PROVIDED FOR							
D 06 B Treating textile materials by liquids, gases or vapours.							
168891 (865/Cal/86)	28-11-86	HOFFMANN'S STARKE- FABRIKEN A.G.	A novel post-wash -ald composition and process of producing same.	06-07-91	1/00.	62-D;E.	F.C.
D 06 F : Laundering, drying, ironing, pressing or folding textile articles.							
167899 (1105/Del/86)	16-12-86	SCAPAPORITT LIMITED	A apper machine dryer for use with a paper machine	05-01-91	59/00.	155-E.	F.C.
168415 (286/Del/87)	03-04-87	WHIRLPOOL CORPORA- TION.	A clothes wasing machine.	30-03-91	17/00.	62-E-X II(1)	F.C.
D 06 H : Marking, inspecting, seaming, or severing textile materials.							
169505 (915/Del/86)	15-10-86	EASTMAN KODAK COMPANY	Apparatus for cutting continuous strand.	26-10-91	7/04.	52-A-XXIV(1)	F.C.
D 06 M : Treatment, not provided for elsewhere in class D 06. of fibres, threads, yarns, fabrics, feathers, or fibrous goods made from such materials.							
167973 (739/Del/86)	18-08-86	THE INDIAN COUNCIL OF AGRICULTURAL RESEARCH.	A new resin finishing process, using mixed catalyst system for the production of durable press fabrics.	19-1-91	15/00.	155-B & 73	I.C.
168596 (736/Mas/86)	17-09-86	HENKEL KOMNANDIT- GESELLSCHAFT AUF AKTIEN.	A process for preparing a fabric treatment agent.	04-05-91	12/38.	32-F. 2(c); & 62-A. 1- GROUPS-IH(1) & XXII(1).	F.C.
168613 (25/Del/87)	14-01-87	GELLER GEORGE ROBERT.	An apparatus for fabrics to produce at least one desired such as softening appearance or material constitition of such fabric.	04-05-91	11/00. 13/00. 15/00.	73-XXII(2).	F.I.
168669 (835/Mas/88)	25-11-88 ante- dated to 21-05-85	STAHL HOLLAND B.V.	A process for preparing an impregnated cloth.	18-05-91	15/91.	155-A-GROUP -XXIII.	F.C.

1	2	3	4	5	6	7	8
169485 (296/Mas/87)	22-04-87	HENKEL KOMMANDIT- GESELLSCHAFT AUF AKTIEN.	A composition for textile finishing.	26-10-91	15/333.	62-D-GROUP- XXII. (1)	F.C
169552 (588/Cal/88)	13-07-88	E.I. DU PONT DE NE- MOURS & COMPANY.	A fibre finish and polyamide yarns comprising the same.	09-11-91	7/02.	152-F.; 155-A.	F.C.

D 06 P : Dyeing or printing textiles, Dyeing leather, furs, or solid macromolecular substances in any form-

167922 (382/Cal/87)	12-05-87	BURLINGTON INDUS- TRIES, INC.	Process for continuous dyeing of poly (M-phenyleneisoph- thalamide fibers and fibers dyed by such process.	12-01-91	3/02, 3/58; 3/79.	62-C ₁ ; 2.	F.C
168325 (370/Cal/87)	06-05-87	BURLINGTON INDUS- TRIES, INC.	A process for dyeing or print- ing pattern on textile materials containing aramid fibers, and the textile materials so printed or dyed.	16-03-91	3/02, 3/58 3/79.	62-B; C ₁	F.C.

D 21 : PAPER, MAKING, PRODUCTION OF CELLULOSE.

**21 C : Production of cellulose by removing non-cellulosic substances from cellulose-con-
taining materials; Regeneration of pulping liquors Apparatus therefor.**

167959 (647/Del/86)	18-07-86	INTEROX.	Process for the delignification of cellulosic substances.	12-01-91	3/04.	145-E-XII(3)	F.C.
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D 21 F : Paper making machines; Methods of producing paper thereon.

167899 (1105/Del/86)	16-12-86	SCAPAPORITT LIMITED.	A papermachine dryer for use with a paper machine.	05-01-91	5/02.	155-E.	F.C.
168115 (611/Cal/87)	05-08-87	BELOIT CORPORATION.	A press apparatus and method for producing a dry fibrous web by removing fluid from a fibrous web.	09-02-91	2/00, 5/00.	145-B & D.	F.C.
168578 (548/Cal/87)	15-07-87	BELOIT CORPORATION.	An apparatus for assisting the transfer of a web to a drying section.	04-05-91	5/00.	145-D.	F.C.
168979 (940/Cal/87)	01-12-87	BELOIT CORPORATION.	Method and an apparatus for making a paper web having substantially uniform proper- ties on both surfaces.	03-08-91	5/00.	145-D.	F.C.

D 21 G : Calenders; Accessories for paper making machines.

168115 (611/Cal/87)	05-08-87	BELOIT CORPORATION.	A press apparatus and method for producing a dry fibrous web by removing fluid from a fibrous web.	09-02-91	1/00.	145-B & D.	F.C.
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D 21 H : Cardboard; Paper; Their manufacture not covered by subclass D 21 F

168263 (745/Cal/87)	18-09-87	HELMUTH SCHMOOCK.	Smooth-mirror like metalliz- ed laminate article and method of making thereof.	02-03-91	1/12, 1/18.	145-B; C.	F.C.
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1	2	3	4	5	6	7	8
168675 (961/Cal/88)	18-11-88 ante dated to 10-10-85	INTERFACE REA- SEARCH CORPORATION	A method of preparing a microbiocidal composition.	18-05-91	5/22.	55-D ₂ .	F.C.

D 21 J : Fibreboard; Manufacture of articles from cellulosic fibrous suspensions or from papler mache.

167899 (1105/Dol/86)	16-12-86	SCAPAPORITT LIMITED.	A papermachine dryer for use with a paper machine.	05-01-91	1/06.	155-E.	F.C.
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SECTION-E : FIXED CONSTRUCTION

E 01 : CONSTRUCTION OF ROADS, RAILWAYS OR BRIDGES.

E 01 B : Permanent way; tools; Machines for making railways of all kinds.

167944 (90/Cal/88)	02-02-88	VOSSLOH-WERKE GMBH	Rail fastening means utiliz- ing a resilient clamp.	12-01-91	9/30.	157-D ₆ (c).	F.C.
168236 (550/Cal/88)	04-07-88	VOEST-ALPINE MASCHINENBAU GESELLSCHAFT M.B.H.	Frog.	23-02-91	7/00. 25/06.	53-A ₁ E; 127-B, I; 157-A ₂ .	F.C.
168552 (278/Cal/87)	06-04-87	FRANZ PLASSER BAHNBAUMASCHI- NEN INDUSTRIEGE- SELLSCHAFT MBH.	A travelling machine for continuous replacement or renewal of rails and sleepers of a laid track.	27-04-91	9/00. 27/00. 29/00.	3,157-B, D ₃ .	F.C.
168674 (755/Cal/88)	08-09-88	FRANZ PLASSER BAHNBAUMASCHI- NENINDUSTRIEGESE- LLSCHAFT M.B.H.	A continuously advancing track-main tenance machine.	18-05-91	27/00.	157-D ₃ .	F.C.
168716 (141/Bom/89)	31-05-89	JITENDRA KUMAR KAPOOR.	Steel track-line-sleeper for mine trolleys.	25-05-91	23/04. 3/16. 9/22.	157-D-6(b), (L)	I.I.
168933 (952/Cal/87)	04-12-87	ETABLISSEMENTS VAPE (SOCIETE ANONYME).	A high speed resilient fixing device for fixing rails for railroads.	20-07-91	9/00.	157-D ₆ (c).	F.C.
168978 (896/Cal/87)	13-11-87	ATTIVITA INDUSTRI- ALI TRIESTINE S.P.A.	Cast iron sleeper with built in anchorages (hooks) for rail tract.	03-08-91	3/00.	157-D ₆ (b).	F.C.
169036 (488/Cal/88)	15-06-88	DR. ANIL KRISHNAKAR	Improved fibre reinforced cement concrete railway sleepers.	24-08-91	25/00.	157-D ₆	I.I.
169475 (955/Cal/87)	22-12-87	FRANZ PLASSER BAHNBAUMASCHINEN- INDUSTRIEGESELL- SCHAFT M.B.H.	A travelling track mainte- nance machine more especially a track tamping, lifting and lining machine for switches and crossings.	26-10-91	29/00.	157-B, D ₃ .	F.C.
169498 (318/Cal/88)	19-04-88	FRANZ PLASSER BAHNBAUMASCHIN- ENINDUSTRIEGESELLS CHAFT M.B.H.	A belt grinding unit for removing surface irregularities on the rail head surface of one or both rails of a laid railway track.	26-10-91	31/17.	153, 157-D ₃ .	F.C.
169833 (88/Cal/89)	27-01-89	FRANZ PLASSER BAHNBAUMASCHINEN- INDUSTRIEGESELL- SCHAFT M.B.H.	A rail pulling and shifting unit for longitudinally shifting rails of land tracks.	26-12-91	33/00.	157-D ₃ .	F.C.

1	2	3	4	5	6	7	8
E 01 C : Construction of, or surfaces, for roads, sports grounds, or the like; Machines or auxiliary tools for construction or repair.							
167894 (950/Del/86)	28-10-86	THE SECRETARY OF STATE FOR DEFENCE IN HER BRITANNIC MAJESTY'S GOVERNMENT OF THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	Tracked vehicle having obstacle surmounting aid.	05-01-91	19/26.	134-Ac, 158-D & 160-A.	F.C.
168037 (733/Mas/86)	12-09-86	BENNO KALTENEGGER	Self-propelled road roller.	26-01-91	19/23.	161-A-GROUP-XXVII (3).	F.I.
169145 (1084/Del/86)	10-12-86	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	A mould for the production of precast concrete blocks for construction of roads and other riding surfaces.	07-09-91	5/00.	161-D.	I.C.
E 01 D : Construction of bridges or viaducts; Assembly of bridges.							
168725 (374/Del/87)	29-04-87	SOLETANCHE	Apparatus for underwater drilling of foundations.	25-05-91	5/40, 5/00, 29/00, 29/06.	101-B-XXVII (2)	F.C.
169559 (616/Cal/88)	22-07-88	FRANZ PLASSER BAHNBAUMASCHINENINDUSTRIE SEELSHAFT M.B.H.	A track tamping machine.	09-11-91	19/12.	157-D ₁ .	F.C.
E 01 F : Additional work, such as equipping roads or the construction of platforms, helicopter landing stages, signs, snow fences, or the like.							
169320 (172/Mas/87)	11-03-87	SEIBU POLYMER KASEIKABUSHIKI	All-weather type pavement marking sheet material.	28-09-91	9/04.	168-C-GROUP-LI(4).	F.C.
E 02 : HYDRAULIC ENGINEERING; FOUNDATIONS; SOIL-SHIFTING.							
E 02 B : Hydraulic engineering.							
167874 (506/Mas/86)	18-09-86	VELLAIPPAN VELAYUDAM THANGATHIRUPATHY.	A system for generation of electrical power from the drag force of canal water.	05-01-91	9/08	101-F & 190-C-GROUPS-XXVIII(2) & XLIV(4).	I.I.
167898 (1079/Del/86)	09-12-86	PRINCIPLA-RECHERCHE DEVELOPMENT S.A.	Wave generator for generating artificial swell in an experimental tank and a marine engineering test tank incorporating the same.	05-01-91	5/04.	102-D.	F.C.
168843 (79/Bom/89)	27-03-89	POLYOLEFINS INDUSTRIES LIMITED.	An improved multiple irrigation system.	22-06-91	13/00.	5-D-GR.I(1)	I.C.
168996 (605/Cal/87)	04-08-87	HENRY K. OBERMEYER	A hydroelectric power installation.	10-08-91	9/00.	190-A.	F.I.
E 02 D : Foundations, excavation; Embankments; Undergrounds or underwater structures.							
168342 (306/Del/87)	10-04-87	GEODIA.	A process and device for temporarily supporting the walls of a trench.	16-03-91	17/00.	27-I.	F.C.

1	2	3	4	5	6	7	8
168519 (292/Cal/88)	08-04-88	MCDERMOTT INCORPORATED	A guide for releasably restraining and guiding an under water pile.	20-04-91	13/00.	149-B.	F.C.
168615 (195/Del/87)	05-03-87	PRECAST MICRO INJECTION PILE TECHNOLOGY LIMITED.	An improved apparatus for pile driving.	04-05-91	7/06, 13/04, 5/58, 5/10.	149-B- XXVIII(4).	F.C.
168618 (367/Del/87)	28-04-87	PILECON ENGINEERING BERHAD.	A reinforced pre-cast concrete pile.	04-05-91	5/00, 27/12.	149-A.	F.C.
169092 (838/Cal/86)	18-11-86	DARYA PAYE JETTY CO. LTD.	A device for constructing a rigid structure upon the bottom of a body of water.	07-09-91	5/00.	101-B.	F.C.
E 02 F : Dredging; Soil-shifting							
168132 (325/Del/86)	10-04-86	YVONNE GALGUT.	Shanked solid tooth for use with earth moving equipment.	09-02-91	3/00.	71-G- XXVIII(1).	F.C.
168927 (487/Cal/88)	15-06-88	MAKEEVSKY INZHEN-ERNO-STROITELNY INSTITUT.	Air-blasting cartridge.	13-07-91	5/00.	200-D.	F.C.
169157 (141/Mas/87)	02-03-87	CATERPILLAR INC.	An improved mounting arrangement adapted for supporting and stabilizing a bulldozer blade on a vehicle.	07-09-91	3/76, 9/00.	71-D & G- GROUP-XXVIII (1).	F.C.
169785 (509/Mas/87)	17-07-87	CATERPILLAR INC.	A mounting frame for supporting an impact ripper on a vehicle.	21-12-91	5/32.	71-D & G- Group-XXVIII (1).	F.C.
E 03 : WATER SUPPLY; SEWERAGE.							
E 03 B : Installations or methods for obtaining, collecting, or distributing water.							
167945 (149/Cal/88)	25-05-88	BIREN DAS GUPTA.	Tubewell strainer or filter.	12-01-91	3/18.	80-J.	I.I.
168094 (857/Mas/86)	03-11-86	RAMAR CHETTIAR SENNIYAN CHETTIAR PONNUSWAMY CHETTIAR AYYATHURAL.	A protective device for a prime mover coupled to a pump.	02-02-91	7/00.	156-G & 193-G-GROUP- L & XXIX (3).	I.I.
169516 (413/Cal/88)	24-05-88	HYDERABAD INDUSTRIES LIMITED.	Slotted pipes	02-11-91	3/18.	80-J.	I.C.
E 03 C : Domestic plumbing installations for fresh water or waste water; Sinks.							
167989 (816/Cal/87)	19-10-87	CAROMA INDUSTRIES LIMITED.	Dual flush cistern mechanism.	19-01-91	1/00.	184.	F.C.
E 03 D : Water-closets or urinals with flushing devices; Flushing valves therefor.							
167927 (717/Cal/87)	08-09-89	YOGENDRA PRASAD ROY.	A latrine.	12-01-91	11/00.	45-B ₁ .	I.I.
168353 (742/Mas/86)	19-09-86	JOHN INGRAM PECKSTON.	A dispenser capable of dispensing a quantity of dispensable material into a liquid medium.	16-03-91	9/02.	45-B ₁ ; 45E- GROUPS-II(1).	F.I.

1	2	3	4	5	6	7	8
169143 (844/Del/86)	24-09-86	DAI-MING KUO.	Sterilizer for toilet spray attachment.	07-09-91	9/02.	45-E.	F.I.
169192 (01/Del/88)	04-01-88	KAILASH NARAYAN VAKIL.	An outlet discharge pipe for syphonic system and a flushing water co-set and urinal incorporating the said outlet discharge pipe.	14-09-91	1/081	45-g1.	II.

E 04 : BUILDING.

E 04 B : General building construction; Walls; Roofs; Floors; Ceilings; Insulation other protection of buildings.

168251 (763/Cal/87)	25-09-87	KOYO SANGYO CO. LTD.	Method for the preparation of laminated material and laminated material obtained thereby.	02-03-91/62.	155-D.		F.C.
168282 (249/Bom/88)	31-08-88	OCTANORM-VERTRIEBS-GMBH FÜR BAUELEMENTE.	Assembly kit for frame-work structures.	02-03-91	10/00.	27-G-XXVI(1).	F.C.
168458 (183/Del/17)	03-03-87	ERNO RAUMFAHRTTECHNIK GMBH.	A multiple-level scaffolding device for use in the assembling of large-scale structures.	06-04-91	1/344., 1/348.	27-M-XXVI(1).	F.C.
169614 (478/Cal/88)	13-06-88	JENCORP NOMINESS LIMITED.	A structural beam for use as in upper chord in a roof truss and a roof truss comprising same.	23-11-91	7/00.	27-E & G.	F.C.
169638 (336/Cal/88)	29-06-88	JENCORP NOMINESS LIMITED.	Metal wall frame structure.	23-11-91	1/00.	27-G.	F.C.

E 04 C : Structural elements; Building materials.

168091 (755/Maa/86)	24-09-86	SIKA AG, VORM KASPAR WINKLER & CO.	A process for preparing a building and/or construction material.	02-02-91	2/20.	25-B & D-Group-XXV(1).	F.C.
168150 (953/Maa/86)	09-12-86	AARDELITE HOLDING B.V.	A method for producing a building element by forming a mixture of a fly ash, slaked lime, water and a coarse particle.	09-02-91	1/40.	25-B-Group-XXV(1).	F.C.
168251 (763/Cal/87)	25-09-87	KOYO SANGYO CO. LTD.	Method for the preparation of laminated material and laminated material obtained thereby.	02-03-91	2/10.	155-D.	F.C.
168640 (239/Cal/88)	22-03-88	CARRYSPEACE LEICHTBAUELEMENTE GMBH.	Slab-shaped composite element for building purposes.	11-05-91	2/00.	25-A, B.	F.C.
168708 (10/Del/87)	30-01-87	JUAN HAENER	An improved interlocking block for a mortarless wall assembly.	25-05-91	1/00.	17-I- & 25ABD.	F.I.
168901 (961/Cal/87)	08-12-87	COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, GIAN LORENZO VALENTI, RAFFAELE CIOFFI.	Method of producing hydraulic binders.	06-07-91	1/00.	35-D.	F.C.

1	2	3	4	5	6	7	8
169614 (478/Cal/88)	13-06-88	JENCORP NOMINESS LIMITED.	A structural beam for use as in upper chord in a roof truss and a roof truss comprising same.	23-11-91	3/02.	27-E & G.	F.C.
169686 (150/Del/86)	22-03-87	NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIAL.	A process for the preparation of a cladbed fibre reinforced concrete structural beam and a cladbed fibre reinforced beam prepared by the said process.	07-12-91	3/00.	27-CFL.	I.C.
169691 (685/Cal/88)	12-08-88	E. L. BARADOR HOLDINGS PTY. LTD.	An improved building structure.	07-12-91	2/00.	27-G; 27-E.	F.C.
169814 (499/Del/89)	07-06-89 ante dated to 24-02-86	NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIAL.	A fibre reinforced concrete jacket.	28-12-91	3/00.	27-E.	I.C.
E 04 D : Roof-coverings; Sky-lights; Gutters; Roof-working tools.							
168209 (271/Cal/88)	30-03-88	DR. RAM NARAIN SINGH.	Unsupported endless stiffener for slab and plate and the like purposes.	16-02-91	3/00	25-A; B,C,D.	I.I.
168718 (232/Bom/89)	18-08-89	SHIRISH BHAILAL PATEL.	A reinforced ribbed glass for skylight opening and the like.	25-05-91	3/28, 713/03.	90-C, J, I- XXXVI, 25-A, D-XXV(1).	I.I.
E 04 D : Finishing work on buildings, e.g. stairs, floors.							
168461 (542/Mas/86)	15-07-86	ATLAS AIR AUSTRALIA PTY LIMITED.	A rigid floor tile for a raised flooring system and method of manufacturing the same.	06-04-91	15/024.	25-A, B & D- XXV(1).	F.C.
169674 (630/Cal/88)	29-07-88	KARL GLOCKENSTEIN.	Wall panel device.	30-11-91	13/00.	27-0.	F.I.
E 04 G : Scaffolding; Forms; Shuttering; Building implements or other building aids, or their use; Handling building materials on the site; Repairing, breaking-up or other work on existing buildings.							
168582 (723/Mas/86)	09-09-86	MASAHICO IZUMI.	An apparatus for cleaning the inside of a room.	04-05-91	19/00.	127-Group XLIII(5).	F.I.
169500 (331/Cal/88)	25-04-88	YUAN-HO LEE.	Molding device with hand operable mold releasing mechanism.	26-10-91	21/00.	27-C; 33-E	F.I.
E 04 H : Building or like structures for particular purposes; Masts; Fencing; Tents or canopies; in general.							
169349 (266/Mas/87)	08-04-87	HERCULES SECURITY FABRICATIONS LIMITED.	Rotary anti-sealing device.	23-07-91	17/05.	78-Group- XXVII(2).	F.C.
E 06 B : Fixed or movable closures for openings in buildings, vehicles, fences, or like enclosures, in general; e.g. doors, windows, blinds, gates.							
168405 (120/Bom/89)	05-05-89	1. NANDKUMAR MORE. 2. PANDARINATH DALVI.	A device for sliding cabinet and/or cupboard closures, such as glass doors.	30-03-91	3/46.	86-A-LXVI(4), 57-D, 57-C, 58-B, 58-D.	I.I.

1	2	3	4	5	6	7	8
E 21 : EARTH DRILLING; MINNING.							
E 21 B : Earth drilling, e.g. deep drilling; Obtaining oil, gas, water, soluble or meltable materials from deep wells.							
167879 (652/Mas/86)	12-08-86	RHONE-POULENC SPECIALITIES CHIMIQUES.	A process for the preparation of a modified polysaccharide of microbial origin.	05-01-91	43/15.	32-E-IX(1).	F.C.
168050 (1059/Del/86)	03-12-86	SHREE JEET BAHADUR SINGH.	A combination of drilling and boring machine.	26-01-91	7/00, 7/12, 15/00.	71-B-XXVIII (1).	I.I.
168194 (393/Del/87)	06-05-87	MAGYAR SZENHIDRO- GENIPARI KUTATO- FEJESZTO INTEZET AND KOOLAJKUTATO VALLALAT.	Mechanical packer apparatus for use mainly in oil and natural gas mining in deep drillings.	16-02-91	23/00.	131-C.	F.C.
168268 (197/Cal/88)	07-03-88	SAMUEL WILLIAM PUTCH, AND NORMAN ALLEN NELSON.	Well suspension assembly.	02-03-91	17/00.	131-A2.	F.I.
168310 515/Del/87)	16-06-87	B. P. CHEMICALS LIMITED.	Base oil composition suitable for use in drilling fluids.	02-03-91	21/00.	131-A2, 131-B3.	F.C.
168340 (534/Cal/88)	29-06-88	AZERBAIDZHANSKY NAUCHNO-ISSLEDOVA- TELSKY I PROEKTNO- KONSTRUKTORSKY INSTITUT NEFTYANO- GO MASHINOSTRO- ENIA AZINMASH.	Device for gripping and suspending drill pipe stand.	15-03-91	19/00.	131-B1, 3; C.	F.C.
168440 (1003/Mas/86)	22-12-86	NAGAOKA KANAAMI KABUSHIKI KAISHA.	Double cylinder screen and a method for manufacturing the same.	06-04-91	41/00.	131-A2; 131- B3-XXVIII(3).	F.C.
168499 (906/Cal/87)	19-11-87	MARTHA-CATHARINA HEILIGER.	Articulating steel-cap for under ground mining support structures.	13-04-91	10/42.	138-F.	F.I.
168555 (375/Cal/87)	08-05-87	VSEJOJUZNY NAUCHNO- ISSLEDOVATELSKY INSTITUT PO KREPLE- NIJU SKVAZHIN I BUROVYM RASTVO- RAM.	Device for cleaning the internal surface of casting strings.	27-04-91	37/00.	151-B.	F.C.
168693 (876/Mas/86)	10-11-86	WILLIAM PERLMAN.	A method for extracting natural gas from a gas- containing sub-surface coal, formation penetrated by a well.	18-05-91	43/267, 43/27.	47-B-XXXII(1).	F.I.
168761 (825/Cal/84)	30-11-84	MCDERMOTT INTER- NATIONAL INC.	Improvements in or relating to conductor guide arrange- ment for an offshore well platform.	01-05-91	7/12.	131-B3.	F.C.]
168972 (904/Cal/86)	11-12-86	ROY LELAND DUD- MAN.	Drill string components adapted to be connected as part of a rotary drill string and a rotary drill string hav- ing said component.	03-08-91	17/00.	131-B3.	F.I.

1	2	3	4	5	6	7	8
169061 (679/Cal/88)	10-08-88	AZERBAIDHANSKY NAUCHNO-ISSLEDOVA- TELSKY I PROEKTNO- KONSTRUKTORSKY INSTITUT NEFTYANO- GO MASHINOSTROE- NIA AZINMASH.	Unit for borehole running and pulling operations.	31-08-91	4/00.	131-A ₂ .	F.C.
169252 (382/Del/85)	03-05-85	SOCIETE NATIONALE ELF AQUITAINE (PRO- DUCTION).	A device for positioning, activating and connecting functional modules of a subsea production station.	21-09-91	15/02.	127-I; § 131-A ₂ .	F.C.
169253 (383/Del/85)	03-05-85	SOCIETE NATIONALE ELF AQUITAINE (PRODUCTION).	An oil production apparatus for a sub-sea station of modular design.	21-09-91	15/02.	131-A ₂ ; 127-I.	F.C.
165258 (1071/Del/86)	05-12-86	HERMAN JOSEPH SCHELLASTEDE.	Well penetration apparatus and method of forming a punched well casing.	21-09-91	43/00.	131-A ₂ .	F.I.
169351 (299/Mas/87)	23-04-87	SANTRADE LIMITED.	A method of manufacturing a cemented tungsten carbide body for rock drilling or mineral cutting.	28-07-91	10/02.	9-E; 12-B; 131-B, XXXIII. (1); XXXIII(2); XXVIII(3).	F.C.
169535 (515/Cal/88)	23-06-88	KVAERNER ENGINEER- ING A/S.	A method and a plant for transport of hydrocarbons over a long distance from an offshore source of hydro- carbons.	09-11-91	43/00.	140-B.	F.C.
169647 (964/Del/87)	09-11-87	UNIVERSITY OF WATERLOO.	Expandable packing seal device for a borehole.	30-11-91	33/00.	131-A ₂ .	F.C.
169800 (376/Mas/87)	21-05-87	DAILEY PETROLEUM SERVICES CORPN.	A drilling jar.	21-12-91	31/107.	131-A ₂ - XXVIII(3).	F.C.
169850 (284/Mas/87)	16-04-87	HANNELORE BECHEM.	An activated earth or bore- hole drill for earth drilling.	28-12-91	4/00.	131-B ₄ - XXVIII(3).	F.I.

E 2 C : Mining or quarrying.

168089 (517/Cal/87)	06-07-87	METALLGESELLSCHAFT AKTIENGESELLSCHAFT.	Improvements in the process for gasification of granular solid fuels in a rotary grate reactor.	02-02-92	43/00.	47-B; C.	F.C.
168210 (479/Cal/88)	13-06-88	VOEST-ALPINE AKTIE- NGESELLSCHAFT.	Driving arrangement for the cutting heads or rolls of an advancing or mining machine.	16-02-91	25/00.	71-B.	
169725 (428/Mas/87)	09-06-87	CHARBONNAGES DE FRANCE.	A supporting installation for mining.	14-12-91	9/00.	131-C-XXVIII (3).	F.C.

E 21 D : Shafts; Tunnels; Galleries.

167881 (552/Mas/86)	16-70-87	RIB LOC (AUST) PTY. LTD.	A machine for forming tubes from strips.	05-01-91	11/00.	131-A, A1- XXVIII(3).	F.C.
167882 (554/Mas/86)	16-07-87	RIB LOC (AUST) PTY. LTD.	A device and method for making a conduit with a protective lining or overwrap.	05-01-91	11/00.	131-A, 1- XXVIII(3).	F.C.
169709 (466/Mas/87)	26-06-87	GULLIC DOBSON LIMITED.	A roof engaging structure for a mine roof support.	14-12-91	15/00.	131-B ₃ - XXVII(3).	F.C.

1	2	3	4	5	6	7	8
169717 (982/Cal/88)	29-11-88	KARAGANDINSKY POLITEKHNICHESKY INSTITUT.	Powered support unit.	14-12-91	17/05.	101-F.	F.C.

E 21 F : Safety devices, transport, filling-up, rescue, ventilation, or drainage in or of mines or tunnels.

167914 (564/Del/83)	27-06-86	FOSROC INTERNATIONAL LIMITED.	A method for the manufacture of a pumple material for use in forming a back fill of high strength in a mine or tunnel.	05-01-91	15/08.	71-G XXXVIII(1).	F.C.
169341 (23/Mas/27)	12-01-87	INSTITUT FRANCAIS DU PETROLE	An improved device for installing seismic sensors inside a petroleum production well.	28-09-91	17/00.	131-A. 2- XXVIII(3).	F.C.

SECTION—F : MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING.

F 01 : Machines or engines in general; Engine plants in general; Steam engines.

F 01 B : Machines or engines, in general or of positive displacement type, e.g. steam engines.

168107 (1000/Del/86)	17-11-86	PIAGGIO & C.S.P.A.	Direct fuel injection two-stroke internal combustion engine having controlled ignition.	02-02-91	3/00.	107-F. G- LVI(2).	F.C.
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F 01 D : Non-positive-displacement machines or engines, e.g. steam turbines.

168690 (21/Mas/89)	09-01-89 ante dated to 07-06-85	THE DOW CHEMICAL COMPANY.	A device for controlling the firing temperature of a gas turbine.	18-05-91	17/00.	146-C & E- XXXVIII(2).	F.C.
168786 (280/Bom/88)	07-10-88	JOAQUIM ANTONIO VALADARES.	An improved unbalance turbine.	08-06-91	1/06.	190-B+C— XLIV(2).	F.I.
168914 (153/Cal/88)	22-02-88	SIEMENS AKTIENGE- SELLSCHAFT..	Method of manufacturing rotatable parts of rotary machines.	13-07-91	5/00.	190-B.	F.C.
169100 (727/Cal/89)	04-09-89 ante dated to 14-11-86	ALVIN HENRY BENESH.	A savonius rotor assembly for interacting with a moving fluid.	07-09-91	5/00.	190-C.	F.I.
169265 (838/Del/83)	23-09-83	PIAGGIO & C.S.P.A.	Improved device within the carburettor of an internal combustion engine for the controlled automatic delivery of additional salt engine.	21-09-91	13/00.	107-I.	F.C.
169739 (334/Cal/88)	25-04-88	WESTINGHOUSE ELEC- TRIC CORPORATION.	Bilaterally serrated steeple root portion of a turbine blade to be attached to a turbine rotor.	14-12-91	5/00.	190)B, C.	F.C.

1	2	3	4	5	6	7	8
F 01 L : Cyclically operating valves for machines or engines.							
169060 (670/Cal/88)	05-08-88	INTERATOM GMBH.	Rotary piston pump assembly.	24-08-91	7/02.	107-K.	F.C.
F 0. N : Gas-flow silencers or exhaust apparatus for machines or engines in general ; Gas-flow silencers or exhaust apparatus for internal combustion engines.							
169087 (374/Cal/88)	06-02-88	OUTBOARD MARINE CORPORATION.	An exhaust system for two cycle internal combustion engines.	31-08-91	7/00.	107-C.	F.C.
169352 (307/Cas/87)	29-07-17	HONDA GIKEN KOGYO KABUSHIKI KAISHA.	An improved muffler.	28-09-91	7/00.	134-A, 107-E, LII(1), XLVI(2).	F.C.
F 01 P : Cooling of machines or engines in general; cooling of internal-combustion engines.							
168371 (137/Qel/87)	17-02-17	GUY FELIX MIGNOT.	Gas filtration-unit for internal combustions engines.	23-03-91	11/00, 11/12.	107-G-XLVII C2 & 80-KVI.	F.I.
168390 (190/Cal/88)	04-03-88	WESTINGHOUSE CANADA INC.	Gas turbines.	23-03-91	1/00.	190-B.	F.C.
169171 (37/Del/87)	11-04-88	KRISHAN GOPAL KHOSHLA.	Diesel engine-driven screw compressor in which improved cooling of injected oil is effected	14-09-91	3/00.	6-A. 2.	I.I.
F 02 : COMBUSTION ENGINES; HOT GAS OR COMBUSTION PRODUCT ENGINE, PLANTS.							
F 02 B : Internal combustion piston engines, combustion engines in general.							
167887 (810/Mas/86)	14-10-83	BERNARD HOOPER.	An internal combustion engine.	05-01-91	39/00.	107-C & G) XLVI(2).	F.I.
168604 (267/Bom/88)	27-03-23	VASANT MUKUND JOSHI.	Improvements in reciprocating piston internal combustion engines or like machines.	04-05-91	69/06, 75/32.	107-B & G- XLVI(2).	I.I.
168634 (54/Cal/22)	22-01-88 ante dated to 18-04-84	THE JACOBS MANUFACTURING COMPANY.	An internal combustion engine with improved retarding system.	11-05-91	75/00.	107-G, J.	B.C.
168930 (676/Cal/22)	08-08-88 ante dated to 28-05-86	THE JACOBk MANUFACTURING COMPANY.	A device for compression release retarding of a multi-cylinder four cycle internal combustion engine.	13-07-91	15/00, 39/00.	107-B, G.	B.C.
169264 (646/Del/86)	18-07-86	ORBITAL ENGINE COMPANY PROPRIETARY LIMITE	A two stroke cycle spark ignited engine.	21-09-91	29/00.	107-B.	F.C.
169310 (255/Mas/87)	06-04-86	COLLINS MOTOR CORPORATION LTD.	A four-stroke radial internal combustion engine.	28-09-91	75/18, 75/22.	107-B & C-XLVI(2)	F.C.
E 02 C : Gas-turbine plants; Air intakes for jet propulsion plants; Controlling fuel supply in air-breathing-jet propulsion plants.							
167888 (825/Mas/86)	20-10-86	NORMALAIR GARRETT (HOLDINGS) LTD.	Fuel flow control valve.	05-01-91	7/232.	107-K-XLVI(2).	F.C.

1	2	3	4	5	6	7	8
169086 (912/Cal/87)	23-11-87	K.S. B. AKTIENGE- SELISCHAFT.	Device for mounting the housing of a single or multi- stage turbomachine.	31-08-91	7/20.	15-D.	F.C.
F 02 D : Controlling combustion engines.							
168593 (666/Mas/86)	19-08-86	GASPOWER INTER- NATIONAL LIMITED	Dual fuel compression igni- tion engine.	04-05-91	19/00, 19/10.	107-B, 107-J- XLVI(2).)	F.C.
168651 (265/Cal/88)	30-03-88 ante dated to 30-05-85	THE JACOB MANU- FACTURING COMPANY.	A system for converting a four cycle internal combus- tion engine to a two cycle Compressor for compression release retarding of the in- ternal combustion engine.	18-05-91	15/00.	107-B.G.	F.C.
F C2 E : Cylinders, pistons. or casting for combustion engines; Arrange- ments of sealings in combustion engines,							
168097 (943/Mas/86)	04-12-86	CUMMINS ENGINE COMPANY INC.	A cylinder head for a valve controlled internal combustion engine.	02-02-91	1/24.	107-C- XLVI(2).	F.C.
168365 (769/Mas/86)	29-09-86	CATERPILLAR INC.	Engine having a multipiece block.	23-03-91	1/00.	107-C. XLV(2).	F.C.
168924 (230/Cal/88)	18-03-88	JEAN FRÉERIC MELCHIOR.	Piston for sliding in cylinders of reciprocating internal or external combustion engines and compressors.	13-07-91	3/00.	175-H.	F.I.
F 02 M : Supplying combustion engines in general with combustible mix- ture or constituents thereof.							
168162 (88/Del/87)	03-02-87	PIAGGIO & CSPA.	Devices for low-pressure fuel injection into a two-stroke internal combustion engine.	16-02-91	69/10.	107-I.	F.C.
168705 (07/Del/87)	05-01-87	PIAGGIO & CSPA.	Magnetic flywheel ignition unit for internal combustion Combustion engines.	25-05-91	27/04.	103-IC- XVI(2).	F.C.
168964 (119/Cal/88)	10-02-88	INDUSTRIAL TECHNO- LOGY RESERARCH INSTITUTE.	Low pressure compressed air assisted fuel injection apparatus for engine.	27-07-91	51/00, 57-00.	107-H.	F.C.
169845 (121/Mas/88)	26-02-88	DEL'ORTO S.P.A.	Carburetor for internal combustion engines.	28-12-91	7/00.	107-I- XLVI(2).	F.C.
F 02 N : Starting of Combustion engines; Starting aids for such engines, not otherwise provided for.							
168583 (745/uas/86)	22-09-86	MAGNET I MARELLY S.P.A.	Starter device for internal combustion engines for motor combustion vehicles.	04-05-91	11/00.	107-J- XVI(2).	F.C.
F 03 : MACHINES OR ENGINES FOR LIQUIDS; WIND, SPRING, WEIGHT, OR MISCELLANEOUS MOTORS, PRODUCING MECHANICAL POWER OR REACTIVE PROPULSIVE THRUST NOT OTHERWISE PROVIDED FOR,							
F 03 B : Machines or engines for liquids.							
167871 (506/Mas/86)	18-09-86	VELLAIPPAN VELAY- UDAM THANGATHI- RUPPATHY.	A system for generation of electrical power from the drag force of canal water.	05-01-91	13/22.	101-F & 190-C. XXVIII(2), XLIV(4).	I.I.

1	2	3	4	5	6	7	8
F 03 D : Wind motors.							
167904 (619/mas/86)	01-08-86	MAURICIO KLING.	A rotor for a wind-driven generator.	05-01-91	3/06.	190-D. XLIV(4).	F.I.
169700 (769/Cal/88)	13-09-88	SEVEN SEVENNING, KONSULT AB	Regulating device for maintaining constant rotary speed in wind-powered turbines.	07-12-91	7/04.	190-D.	F.C.
F 03 G : Spring, weight, inertia or like motors mechanical power producing devices fir mechanism, not otherwise provided for or using energysources not otherwise provided for.							
168110 (1116/Del/86)	18-12-86	THE JAY ENGINEER- ING WORKS LIMITED.	A down or shaft for electric ceiling fans and electric ceiling fan having said stater shaft.	02-02-91	1/06, 1/08.	36-B ₃ XLIV(1).	I.C.
168185 (239/Bom/88)	05-10-88	SATYA PRAKASH VERMA.	A rotary machine for producing power by gravitational - pull magnetic-force and lever age.	16-02-91	7/00.	63-I-g- LVII(1(1).	II.
169541 (456/Del/87)	27-05-87 ante dated to 15-05-85	THE JAY ENGINEER- ING WORKS LTD.	Regulators for electric ceiling fans.	09-11-91	7/00.	133-B.	I C.
169582 (449/Del/87)	25-05-87 ante- dated to 15-05-85	THE JAY ENGINEER- ING WORKS LTD.	Regulation for electrif ceiling fans.	16-11-91	7/00.	133-B.	I C.
169583 (450/Del/87)	25-05-87 ante dated to 15-05-85	THE JAY ENGINEER- ING WORK' LTD.	Regulators for electric ceiling fans.	16-11-91	7/00.	133-B.	I.C.
169584 (455/Del/87)	27-05-87 ante dated to 15-05-85	THE JAY ENGINEER- ING WORKS LTD.	Regulators for electric ceiling fans.	16-11-91	7/00.	133-B ₂	I.C.
F 04 : POSITIVE-DISPLACEMENT MACHINES FOR LIQUIDS; PUMPS FOR LIQUIDS OR ELASTIC FLUIDS.							
F 04B : Positive displacement machines for liquids; Pumps.							
168057 (168/Del/87)	25-02-87	BEEDIX LIMITED.	Piston and cylinder gas compressor.	26-01-91	48/08, 49/10.	6-A ₃ XLVII(1).	F.C.
169065 (932/Cal/88)	07-11-88	COPELAND CORPORA- TION.	A motor driven compressor.	31-08-91	39/02.	6-A ₃ .	F.C.
169287 (256/Mas/87)	06--04-87	DIPLING ERNST KORTHAUS.	A control device for a hydraulic drive for driving a piston pump.	21-09-91	23/02, 23/04.	102-D- XXIX(1).	F I.
169581 (138Del/87)	17-02-87	SANDEN CORPORA- TION.	Device for controlling the capacity of a variable capacity compressor.	16-11-91	1/00.	50-E ₂ .	F.C ₃
169703 (481/Mas/87)	03-07-87	ANTON BRAUN.	A multistage compressor.	14-12-91	11/00, 25/00, 39/00.	6-A ₂₋₃ XLVII(1).	F.I.

1	2	3	4	5	6	7	8
169761 (907/Del/86)	14-10-86	POCLAIN HYDRAULICS.	A hydraulic mechanism for a motor or pump.	21-12-91	1/00. 1/12.	156-A.	F.C.
F 04 C : Rotary-piston or oscillating-piston positive displacement machines for liquids; Rotary-piston, or oscillating piston positive displacement pumps.							
168621 (606/Cal/87)	04-08-87	HENRY K. OBERMEYER.	Hydromotive machine apparatus and method of constructing the same.	11-05-91	19/00.	190-C.	F.I.
F 04 D : Non-positive displacement pumps.							
168124 (758/Mas/86)	23-12-87	GOVINDASWAMY VENKATACHALAPATHY.	An impeller or fan to pump or compress liquid or gas.	09-02-91	29/00, 29/54, 29/18, 29/40.	36-A ₃ - XLIV(1).	I.I.
168205 (76/Cal/88)	29-01-88	PROIZVODSTVENNOE OBIEDINENIE 'NEVSKY ZAVOD IMENI V. I. LENINA.	Impeller of a centrifugal compressor	16-02-91	29/00.	36-A ₃ .	F.C.
168292 429/Del/85)	28-05-85	COMPAIR BROOMWADE LIMITED.	Screw rotor machines.	09-05-91	3/02, 29/00.	63-B ₃ .	F.C.
169428 (342/Bom/89)	13-12-89	CROMPTON GREAVES LIMITED.	An impeller for use in a mono-block water pump.	12-10-91	29/24.	36-A ₃ -XLIV- (1), 163-B ₃ , XLIV(3).	I.C.
168435 (812/Mas/86)	14-10-86	PEROLOF KARLSSON	A loop pump for pumping liquid.	06-04-91	13/04.	163-B ₃ .	F.I.
169057 (638/Cal/88)	01-08-88	PROIZVODSTVENNOE OBIEDINENIE 'NEVSKY ZAVOD IMENI V.I. LENINA.	Centrifugal compressor with a seal oil reservoir.	24-08-91	17/10.	36-A ₁ .	F.C.
169693 (716/Cal/88)	26-08-88	COPELAND CORPORATION	A rotary machine.	07-12-91	25/06, 29/00.	36-B ₃ - 163-D.	F.C.
169694 (719/Cal/88)	29-08-88	KSB AKTIENGESELLSCHAFT AND LOWARA S.P.A.	Centrifugal pump impeller.	07-12-91	29/30.	36-A ₁ .	F.C.
F 04 F : Pumping of fluid by direct contact of another fluid or by using inertial of fluid to be pumped; Siphons.							
169704 (477/Mas/87)	02-07-87	INSTITUT FRANCAIS DU PETROLE.	A device for compressing a fluid.	14-12-91	5/18.	36-A & 163-D- XLIV(1)& XLIV (3).	F.C.
F 15 B : Systems acting by means of fluids in general; Fluid-pressure actuators e. g. servomotors; details of fluids pressure systems, not otherwise provided for.							
168962 (445/Cal/87)	08-06-87	GIORA GOLDMAN.	Hydraulic-pneumatic actuator for impact cutter.	27-07-91	9/00.	94-F; 102-D.	F.I.
169050 (162/Cal/88)	24-02-88	TOIMINIMI KONE-SAMP.	A power generating aggregate.	24-08-91	15/00, 15/18.	107-G- XLVI(2).	F.I.
169096 (01/Cal/88)	01-01-88	INTERNATIONAL CONTROL AUTOMATION FINANCE S.A.	Auto calibrating electro-hydraulic servo driver.	07-09-91	15/00.	102-B.	F.C.
169215 (107/Mas/87)	17-02-87	CATERPILLAR INC.	Control system for independent control of fluid actuated devices.	14-09-91	21/00.	102-B- XXIX(1).	F.C.

1	2	3	4	5	6	7	8
F 15 C : Fluid circuit elements predominantly used for computing or control purposes.							
169215 (107/Mas/87)	17-02-87	CATLRPILLAR INC.	Control system for independent control of fluid actuated devices.	14-09-91	3/00.	102-B-XXIX(1).	F.C.
F 16 : ENGINEERING ELEMENTS OR UNITS; GENERAL MEASURES FOR PRODUCING AND MAINTAINING EFFECTIVE FUNCTIONING OF MACHINES OR INSTALLATIONS; THERMAL INSULATION IN GENERAL.							
F 16 B Devices for fastening or securing constructional elements or machines parts together, e. g. nails, bolts, circlips, clamps, clips, wedges, joints or joining.							
168042 (614/Del/86)	11-07-86	SOCIÉTÉ D'EXPLOITATION DES PROCÉDÉS MARECHAL (SEPM)	A device for preventing reversal of the movement of relative displacement of two components consisting respectively of a male part and a female counterpart, one component being actuated by hand.	25-01-91	1/00.	127-H.	F.C.
168203 (885/Cal/87)	11-11-87	TOX-DUBEL-WERK RICHARD W. HECK HAUSEN GMBH & CO. KG.	Straddling or buckling plug.	16-02-91	13/00.	19-E.	F.C.
169514 (400/Cal/88)	19-05-88	EMITEC GESELISCHAFT FÜR EMISSIONSTECHNOLOGIE.	A method of securing a driven element of a hollow shaft to form an improved drive assembly.	02-11-91	2/06, 1/00.	76-E ;& 177-I.	F.C.
169617 (494/Cal/88)	07-04-89	M/S. ELECTROMETAL LTD.	Beam clamp.	23-11-91	7/04.	76-B.	I.C.
F 16 C : Shafts, Flexible Shafts; Elements of crankshaft mechanisms; Rotary bodies other than gearing elements; Bearings.							
168096 (941/Mas/86)	03-12-86	F.L. SMIDTH & CO. A/S.	Rotatable drum assembly.	02-02-91	13/00.	85-Q & 177-F-XXXI & LXA(1).	F.C.
168269 (198/Cal/88)	07-03-88	DURAMETALLIC CORPORATION.	Bearing protector.	02-03-91	33/00.	15-D.	F.C.
168431 706/Mas/86	02-09-86	GLYCO-METALLWERKE, DAEILEN & LOOS GMBH.	A plain bearing element with non-homogeneous antifriction layer.	06-04-91	33/24.	15-D-LIV(1).	F.C.
168998 620/Cal/87	10-09-87	1. HITACHI LTD. 2. HITACHI CONSTRUCTION MACHINERY CO. LTD.	Thrust hydrostatic bearing device for use in axial piston machine.	10-08-06	32/06.	15-D	F.C.
169107 (70/Mas/86)	03-02-87	NADELLA.	Pre-stressed ball bearing.	07-09-91	25/08, 33/58, 33/64.	15-B-LIV(1).	F.C.
169132 (45/Del/87)	21-01-87	DRESSER U. K. LIMITED.	A rapping device for variable intensity rapping.	07-09-91	1/00, 1/10.	127-H.	F.C.

1	2	3	4	5	5	7	8
169579 (401/Cal/88)	19-05-88	EMITEC GESELLSCHAFT FÜR EMISSIONSTECHNOLOGIE-GMBH.	A hollow drive shaft assembly having hollow shaft and drive elements.	16-11-91	3/00	127-B	F.C.
169613 (463/Cal/88)	05-06-88	1. HITACHI LTD. 2. THE KANSAI ELECTRIC POWER CO. INC.	Lubricated bearing apparatus for hydraulic machinery.	23-11-91	17/00.	15-C.	F.C.
169675 (635/Cal/88)	29-07-88	MIBA GLEITLAGER AKTIENGESELLSCHAFT.	A heavy duty sliding surface bearing.	30-11-91	17/00, 29/02.	15-C & D.	F.C.
F 16 D : Couplings, Clutches; Brakes.							
168080 (770/Maa/23)	24-09-86	LUCAS INDUSTRIES PUBLIC LIMITED COMPANY.	A drum brakes	02-02-91	51/00	24-B, 24-F-LV.	F.C.
168128 (91/Maa/86)	28-11-86	LUCAS INDUSTRIES PUBLIC LIMITED COMPANY.	Improvements relating to disc brakes.	09-02-91	53/00, 65/14.	24-D4-LV.	F.C.
168129 (919/Maa/86)	28-11-86	LUCAS INDUSTRIES PUBLIC LIMITED COMPANY.	Improvements relating to disc brakes.	09-02-91	65/14.	24-R & F-Group-LV.	F.C.
168329 (447/Cal/87)	09-06-87	VOITH TURBO GMBH & CO. KG.	A hydrodynamic coupling.	16-03-91	32/00.	102-B, D & 127-I.	F.C.
168428 (194/Maa/87)	18-03-87	AKEBONO BRAKE INDUSTRY CO. LTD.	High-frequency induction-heating device for heat-bonding brake shoe lining.	30-03-91	69/00.	97-E & F-LIX(2).	F.C.
168457 (130/Del/87)	16-02-87	ACCO BABCOCK INC.	An adjuster device for a control cable assembly as is used in automobile automatic transmissions.	06-04-91	65/14.	134-B.	F.C.
168586 (780/Maa/86)	03-10-86	DANA CORPORATION.	An improved brake assembly.	04-05-91	65/00.	24-F & D4-LV.	F.C.
168665 (123/Maa/87)	24-02-87	LUCAS INDUSTRIES PUBLIC LIMITED COMPANY.	Improvements in self-energising disc brakes.	18-05-91	65/84.	24-D4-LV.	F.C.
168741 (19/Maa/87)	15-01-87	LUCAS INDUSTRIES PUBLIC LIMITED COMPANY.	Floating caliper spot type disc brake.	01-06-91	55/00.	24-D4-LV.	F.C.
168781 (108/Maa/87)	18-02-87	LUCAS INDUSTRIES PUBLIC LIMITED COMPANY.	Improvements relating to brake actuators.	01-06-91	65/14.	24-E & F-LV.	F.C.
168847 (213/Bom/89)	04-04-90	HEMANT MADHUKAR RANDIVE, HETKARI MAHAJAN WADI.	An improved unidirectional power transmitting shaft coupling.	22-06-91	3/68.	127-I-LXV(1).	I.I.
168902 (1006/Cal/87)	29-12-87	VICKERS, INCORPORATED.	A hydraulic system.	06-07-91	31/02.	102-B D.	F.C.
168943 (823/Cal/87)	23-10-87	KELSEY-HAYES COMPANY.	A servo drum brake assembly.	20-07-91	51/00.	24-D4.	F.C.
168997 (620/Cal/87)	10-08-87	EATON CORPORATION.	Seam for drum brake.	10-08-91	53/00.	24-B.	F.C.

1	2	3	4	5	6	7	8
169119 (386/Mas/87)	26-05-87	LUCAS INDUSTRIES PUBLIC LIMITED COMPANY.	An internal shoe drum brake.	07-09-91	65/02, 51/02.	24-B-LV.	F.C.
169281 (918/Mas/86)	28-11-86	LUCAS INDUSTRIES PUBLIC LIMITED COMPANY.	Improvements relating to adjusters.	21-09-91	65/00, 65/38.	24-D, F-LV.	F.C.
169302 (163/Mas/87)	10-03-87	WABCO.	A hydraulic brake actuator.	28-09-91	65/72.	24-D1-LV.	F.C.
169354 (317/Mas/87)	04-05-87	LUCAS INDUSTRIES PUBLIC LIMITED COMPANY.	A brake pad for a disc brake.	28-09-91	69/00.	24-B-LV.	F.C.
169355 (318/Mas/87)	04-05-87	LUCAS INDUSTRIES PUBLIC LIMITED COMPANY.	A disc brake especially for motor vehicles.	28-09-91	55/22.	24-B-LV.	F.C.
169415 (673/Mas/87)	17-09-87	LUCAS INDUSTRIES PUBLIC LIMITED COMPANY.	Improvements relating to disc brakes.	12-10-91	65/14.	24-B & D48-LV.	F.C.
169452 (13/Cal/88)	06-01-88	KYSOR INDUSTRIAL CORPORATION.	A viscous fluid clutch.	19-10-91	33/12.	102-B.	F.C.
169619 (513/Cal/88)	23-06-88	NETZSCH-MOHNOPU- MPEN GMBH.	Swivel coupling.	23-11-91	3/00.	127-I.	F.C.
169839 (534/Cal/89)	10-07-89 ante dated 10-12-86	ROCKWELL GOLDE GMBH.	Automobile drum brake of the duo-duplex type.	28-12-91	51/00.	24-F. 134-D.	F.C.
F 16 F : Springs; Shock-absorbers; Means for damping vibration.							
168561 (848/Cal/87)	30-10-87	MONROE AUTO EQUIP- MENT COMPANY.	A direct acting hydraulic shock absorber for damping the movement of the body of an auto-mobile.	27-04-91	9/00. 9/54.	174-F.	F.C.
F 16 G : Belts, cables, or ropes, predominant; used for driving purposes; Chains, Fittings predominantly used therefor.							
167915 (659/Del/86)	22-07-86	UNIROYAL POWER TRANSMISSION COM- PANY, INC.	Double-acting positive drive power transmission belt.	05-01-91	5/70.	116-C.	F.C.
168459 (330/Del/87)	15-04-87	THE BABCOCK & WILCOX COMPANY.	A connector clip for a ribbon cable connector.	06-04-91	11/00, 11/03.	191- XXXVII(2).	F.C.
169392 (209/Mas/87)	23-03-87	MITSUBOSHI BELT- ING LTD.	A looped v-belt and a method of manufacturing the same.	12-10-91	5/08, 3/10.	127-C- LXV(1).	F.C.
F 16 H : Gearing-							
168040 (909/Mas/86)	26-11-86	GENERAL MOTORS CORPORATION.	A preselected multi-ratio power transmission.	26-01-91	37/00.	127-I- LXV(1).	F.C.
168261 (616/Cal/87)	07-08-87	KNIGHT-MECHADYNE LIMITED.	Differential gear mechanism.	02-03-91	1/38.	127-G.	F.C.
168396 (415/Del/87)	12-05-87	AJENDRA KUMAR MITTAL.	A device for converting uni- directional motion from a shaft into multi-directional motion on two shafts and an engine incorporated the said device.	23-03-91	21/52.	127-I.	I.I.

1	2	3	4	5	6	7	8
168893 (958/Cal/86)	31-12-86	ROSTOVSKY GOSUDAR STVENNY UNIVERSI- TET IMENI M.A.	Mixed-engagement gearing.	06-07-91	1/00, 3/00, 5/00.	127-D, 153.	F.C.
169062 (580/Cal/88)	11-07-88	SIEMENS AKTIENGE SELLSCHAFT.	Shaft-turning device.	31-08-91	35/18.	127-I.	F.C.
169356 (363/Mas/87)	18-05-87	FIVES CAIL BABCOCK.	Mechanism for transforming a reciprocating rectilinear motion into an intermittent rotary motion.	28-09-91	25/00.	127-D & I- LXV(1).	F.C.
169457 (146/Cal/88)	17-02-88	EATON CORPORA- TION.	Pressurized fluid operated shift bar housing assembly for a change gear trans- mission.	19-10-91	3/00.	102-B; 127-D & G1.	F.C.
169771 (682/Cal/88)	11-08-88	EATON CORPORA- TION.	Torque converter and clutch structure.	21-12-91	41/00.	102-B.	F.C.
169802 (145/Cal/88)	17-02-88	EATON CORPORA- TION.	A change gear mechanical transmission system.	28-12-91	3/00.	127-G.	F.C.
169832 (52/Cal/89)	18-01-89	SIEMENS AKTIEN- GESELLSCHAFT.	An assembly of an operating machine driven by a belt connected to an electric motor.	28-12-91	7/00.	127-C.	F.C.
F 16 J : Pistons; Cylinders; Pressure vessels in general; Seatings.							
168207 (231/Cal/88)	18-03-88	EATON CORPORA- TION.	Annular seal assembly for sealing an annular space.	16-02-91	15/00.	181.	F.C.
168270 (312/Cal/88)	19-04-88	SIEMENS AKTIEN- GESELLSCHAFT.	A shaft seal.	02-03-91	15/40.	181.	F.C.
168704 (859/Del/86)	30-09-86	BW/IP INTERNA- TIONAL, INC.	Controllable mechanical seal for sealing a shaft rotatable relative to the housing of a fluid machine.	25-05-91	15/00.	181.	F.C.
168733 (574/Cal/87)	27-07-87	1. HITACHI LTD. 2. THE KANSAI ELEC- TRIC POWER CO. INC.	Seal ring assembly for use in an end face mechanical shaft seal.	25-05-91	15/30.	20-B.	F.C.
169622 (394/Mas/87)	27-05-87	DR. RER NAT, HANS- GEORG BOEHM.	Steam pressure cooking pot.	23-17-91	12/00	99-A-Group-X (4)	F.I.
169679 (672/Cal/88)	08-08-88	BURAMETALLIC COR- PORATION	Magnetic-type end face seal assembly.	30-11-91	15/54.	20-B.	F.C.
F 16 K : Valves; Taps; Cocks; Actuating floats; Devices for venting or aerating.							
168176 (233/Cal/7)	25-03-87	KEYSTONE INTERNA- TIONAL HOLDINGS CORPORATION.	Butterfly valve construction having a composite seat.	16-02-91	1/42	195-D	F.C.
168262 (663/Cal/87)	21-08-87	STANIC, MIODRAG.	Shut-off valve for fluids.	02-03-91	3/00.	195-C,D.	F.C.
168557 (34/Cal/88)	14-01-88	DIPL-ING HANS OTTO MIETH.	Apparatus for controlling a leakage cavity of valve.	27-04-91	25/00	195-D.	F.I.
168661 (824/Mas/86)	17-10-86	AYYAMPERUMAL ACHARI MANICKAM	A float valve device.	18-05-91	31/18.	195-A-XXIX (3).	I.I.
168765 (930-Cal/87)	26-11-87	BALLEE JAPAN CO. LTD. AND NIPPON GEAR CO. LTD.	Electric actuator for a con- trol valve.	01-06-91	31/40.	195-D.	F.C.

1	2	3	4	5	6	7	8
168874 (212/Del/87)	10-03-87	SOCIETE D 'EXPLOITA- TION DE BREVETS POUR INDUSTRIE ET LA MARINE SEBIM.	Control valve for controlling flow between a user, a high- pressure source and a low pressure pump.	29-06-91	15/00. 15/04, 17/00, 17/06.	195-B-XXIX. (3).	F.C.
169064 922/Cal/88	03-11-88	HOERBIGER VENTIL- WERKE AKTIENGES- SELLSCHAFT.	Compressor plate valve.	31-08-91	1/00.	195-D.	F.C.
169260 (1106/Del/86)	16-12-86	WHITE CONSOLIDATED INDUSTRIES, INC.	Improved valve plug for a fluid control valve.	21-09-91	1/226, 1/42.	195-B & D	F.C.
169522 (241/Mas/87)	02-04-87	DOBSON PARK INDUS- TRIES PLC.	A valve assembly for use in controlling a plurality of fluid operated functions.	02-11-91	1/00, 3/00, 11/00, 51/00.	195-C, D- XX IX(3).	F.C.
169645 (349/Del/87)	21-04-87	SOCIETE EUROPEENNE DE PROPULSION.	Valve comprising a mobile obturator member and an annular seat combined there- with.	30-11-91	25/00.	195-E.	F.C.
169660 (593/Cal/88)	15-07-88	SHIBA PADA BHATTA- CHARJEE.	Swing check valves with built- in internal cushion.	30-11-91	47/00, 25/00.	195/D.	I.I.
F 16 L : Pipes, joints or fittings for pipes, Supports for pipes or cables ;Means for thermal insulation in general.							
167881 (552/Mas/86)	16-07-87	RIB LOC (AUST) PTY. LTD.	A machine for forming tubes from strips.	05-01-91	58/00.	131-A1-XXVIII (3).	F.C.
167882 (554/Mas/86)	16-07-87	RIB LOC (AUST) PTY. LTD.	A device and method for making a conduit with a protective lining or overwrap.	05-01-91	58/00.	131-A1- XXVIII(3).	F.C.
168067 (894/Del/86)	07-10-86	VALLOUREC.	A detachable and interchan- geable joint for steel tubing.	26-01-91	15/00.	150-E-XLVIII (1).	F.C.
168161 (927/Del/86)	21-10-86	SOCIETE NATIONALE INDUSTRIELE AEROS- PATIALE.	A composite material tube and a method of manufacture thereof.	16-02-91	13/10, 13/14.	150-G.	F.C.
168291 (300/Del/85)	09-04-85	THE BABCOCK & W IL- COX COMPANY.	Tubing string of tubular - segments.	09-03-91	59/00.	176/I.	F.C.
158299 (686/Del/87)	06-08-87 ante dated to 09-04-85	THE BABCOCK & WIL- COX COMPANY	Apparatus for conveying vapours.	09-03-91	59/00.	176-I.	F.C.
168354 (828/Mas/86)	21-10-86	SANDVIE AB	Pipe joint.	16-03-91	15/00.	50-C-XLVIII (1).	F.C.
168362 (710/Mas/86)	03-09-86	ANSON LIMITED.	A swivel joint between two lengths of pipe.	23-03-91	19/00.	150-B-XLVIII(1)	F.C.
168422 (782/Mas/86)	06-10-86	TAURUS GUMIPARI VALLALAT.	Reinforced flexible hose.	30-03-91	11/08.	151-E-XLVIII (2).	F.C.
168631 (23/Cal/88)	11-01-88	SIEMENS AKTIENGES- SELLSCHAFT.	Sealing device for a pipeline, in particular for a loop line on a steam generator hemisphere.	11-05-91	55/00.	176-H,I.	F.C.
169034 (414/Cal/88)	24-05-88	HYDERABAD INDUS- TRIES LTD.	A joint for casting pipes and slotted pipes.	24-08-91	21/00.	150-E.	I.C.
169037 (495/Cal/88)	07-04-89	ELECTROMETAL LTD.	Conduit hanger.	24-08-91	3/00.	151-G.	I.C.

1	2	3	4	5	6	7	8
169592 (407/Cal/88)	23-05-88	DONALD SCOTT ROBINSON.	Rod couplers.	16-11-91	37/12.	76-B.	F.I.
169719 (1027/Cal/88)	14-12-88	STANTON, PLC.	Pipe Joints.	14-12-91	21/04.	150-F.	F.C.
169724 (436/Mas/87)	12-06-87	DALMINE S. P. A.	Sleeveless metal pipe joint.	14-12-91	15/00.	150-G-XLVIII (1).	F.C.
F 16 M : Frames, casings or beds, or engines or other machines or apparatus, not specific to an engine, machine, or apparatus provided for elsewhere, stands, or supports.							
169316 (156/Mas/87)	05-03-87	DAVY MCKEE (STOCK- TON) LIMITED.	A support arrangement for a converter vessel in steel making.	28-09-91	11/06.	108-A-XXXIII (5).	F.C.
F 16 N : Lubricating.							
168214 (476/Cal/87)	18-06-87	CARRIER CORPORA- TON	Compressor lubrication system.	23-02-91	7/36.	120-B1.	F.C.
F 16 P : Safety devices in general							
168713 (33/Bom/89)	02-02-89	RAJENDRA SINGH CHAUHAN.	An automatic electronic de- vice for detecting L. P. G. leakage/flame failure and stopping the gas supply.	25-05-91	3/14.	126-D+A, LVIII(6).	I.I.
F 16 T : Steam traps or like apparatus for draining-off liquids from enclosures predomi- nantly containing gases or vapours.							
169282 (971/Mas/86)	15-12-86	BBC BROWN BOVERI LIMITED	A high-speed water separator for a steam power plant.	21-09-91	1/34.	175-I- XLV(3).	F.C.
F 22 : STEAM GENERATOR.							
F 22 B : Methods of steam generation; Steam boilers.							
168190 (322/Bom/88)	22-11-88	KAMALENDU MUKHER- JI.	A n improved multi-fuel fired water tube package boiler.	16-02-92	21/00.	98-D-VII(2), 85-L-XXXI.	I.I.
168907 (917/Cal/88)	02-11-88	BLOWER ENGINEERING INC.	Steam generator.	06-07-91	7/00.	176-F.	F.C.
169025 (795/Cal/88)	07-03-88	AMALENDU BHATTA- CHARYA AND PRATIVA ACHARJEE.	Improved fire tube boilers.	17-08-91	9/12	85.	I.I.
F 22 D : Preheating, or accumulating preheated, feed-water; Feed water supply; Controlling water level : Circulating water within boilers.							
168650 (724/Mas/86)	09-09-86	BBC BROWN BOVERI LIMITED	Device for degassing the steam condensate used as feed water in a thermal power plant.	11-05-91	1/50.	176-C-XLV(4)	F.C.
F 23 : Combustion apparatus ; Combustion processes.							
F 23 B : Combustion apparatus using only solid fuel.							
168087 (365/Cal/87)	05-05-87	METALLGESELLSCHAFT AKTIENGESELLSCHAFT	Process for burning high-salt coal in the production of steam.	02-02-91	7/00	84-C1	F.C.

1	2	3	4	5	6	7	8
168882 (850/-Mas/86)	29-10-86	L. DAVID OSTLIE	A system for providing power to an electrical generating plant.	06-07-91	1/00.	85-G; 98-I; 176-I-XXXI; VII(2) & XLV(4).	F.I.
169150 (844/Del/87)	23-09-87	DORR-OLIVER INCORPORATED.	Fluidized bed boiler.	07-09-91	3/00 7/00. 9/00.	85-I	F.C.
F 23 C : Combustion apparatus using fluent fuel.							
168087 (365/Cal/87)	05-05-87	METALLGESELLSCHAFT AKTIENGEESELLSCHAFT	Process for burning high-salt coal in the production of steam.	02-02-91	11-/02.	84-C1.	F.C.
168337 (520/Cal/87)	07-07-87	ASEA STAL AB.	Combustion boiler.	16-03-91	11/02.	177-A.	F.C.
169781 (557/Mas/87)	03-08-87	SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B.V.	An improved process for gasifying heavy hydrocarbon-containing fuel.	21-02-91	1/02.	28-F-XXX(1)	F.C.
F 23 D : Burners.							
167979 (171/Del/87)	26-02-87	PPG INDUSTRIES, INC.	Multi-outlet burner particularly for melting glass.	19-01-91	14/58. 21/00.	28-C.	F.C.
168632 (24/Cal/88)	12-01-88	SIEMENS AKTIENGESSELLSCHAFT.	Burner for operation with gas and/or oil.	11-05-91	14/00; 17/00	28-C.	F.C.
168763 (852/Cal/87)	02-11-87	MITSUBISHI MINING CEMENT CO. LTD.	Finely pulverized solid fuel burner.	01-06-91	1/00.	28-E.	F.C.
169676 (636/Cal/88)	01-08-88	ATOCHEM NORTH AMERICA, INC.	A multiple parallel packed column vaporizer for vaporizing a chemical composition.	30-11-91	11/08.	88-F.	F.C.
F 23 G : Cremation furnaces; Consuming waste by combustion.							
168826 (899/Cal/87)	16-11-87	WESTINGHOUSE ELECTRIC CORPORATION.	Rotary combustor.	15-06-91	5/00.	85-Q.	F.C.
169047 (133/Cal/88)	15-02-88	WESTINGHOUSE ELECTRIC CORPORATION.	Axial seal system for rotary combustor.	24-08-91	5/44.	193.	F.C.
169212 (102/Mas/87)	16-02-87	TSUNG-HSIENKUO.	An improved refuse incineration system for generating high-pressure superheated steam.	14-09-91	5/04.	85-L-XXXI.	F.I.
F 23 H : Grates; Cleaning or raking grates.							
168187 (290/Bom/88)	14-10-88	KAMALENDU MUKHERJI	An advanced reciprocating conveyor system for propelling solid fuel materials to furnace and the like plant.	16-02-91	11/12.	85-F-XXXI. 116G-XLIX.	I.I.

1	2	3	4	5	6	7	8
F 23 J : Removal or treatment of combustion products or combustion residues; Fuels.							
167905 (642/Mas/86)	11-08-86	THE DOW CHEMICAL COMPANY.	An improved process and apparatus for solid fuel gasification.	05-01-91	1/08.	85-J-XXXI.	F.C.
167947 (342/Cal/88)	27-04-88	WESTINGHOUSE ELECTRIC CORPORATION	Dry ash handling system.	12-01-91	1/00.	85-J.	F.C.
168789 (325/Bom/88)	25-11-88	RIFOX ENGINEERING (INDIA) PVT. LTD.	Improved sonic cleaner.	08-06-91	3/02.	151-B-XLVIII(2) 16-B-LX(1)	I.C.
F 23 M : Constructional details of combustion chambers not otherwise provided for.							
169047 (133/Cal/88)	15-02-88	WESTINGHOUSE ELECTRIC CORPORATION	Axial seal system for rotary combustor.	24-08-91	13/00.	193.	F.C.
F 24 : HEATING; RANGES; VENTILATING.							
F 24 C : Other domestic stoves or ranges; Details of domestic stoves or ranges; of general application.							
168715 (108/Bom/89)	24-04-89	HIRALAL LAXMI CHAND PAREKH.	An improved stove.	25-05-91	5/10.	28-F-XXX(1). 180-XV(2).	I.I.
169372 (811/Del/86)	04-01-88	NIKY TASHA INDIA PVT. LTD.	An improved cooking appliance.	05-10-91	3/00.	49-F.	I.C.
F 24 F : Airconditioning; Air-humidification; Ventilation; Use of air currents for screening.							
168287 (352/Bom/88)	30-12-88	SURENDRA HIMMAT LAL SHAH.	A mini refrigerator -cum- dehumidifier.	02-03-91	13/00, 6/00.	50-E2-VII(1); 50-D, 196-B-1-XXVI(4).	I.I.
168827 (918/Cal/87)	24-11-87	DR. ALLAN SHAW.	Air conditioners.	15-06-91	3/14.	50-D, 196-B1.	F.I.
169242 (199/Bom/88)	07-07-89	AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION.	A cell type air humidification system.	14-09-91	3/14.	196-B1-XXVI(4).	I.C.
F 24 H : Fluid heaters, e. g. water or air heaters, having heat-generating means in general.							
168622 (768/Cal/87)	28-09-87	COMBUSTION ENGINEERING, INC.	Apparatus for monitoring the chemistry of water and steam in a steam generator steam cycle.	11-05-91	1/00.	176-G.	F.C.
F 24 J : Production or use of heat not otherwise provided for.							
168308 (280/Del/87)	02-04-87	THERMO-SOLAR ENGIETECHNIK GMBH.	Vacuum solar collector.	9-03-91	2/00, 2/46, 2/48.	98-C-VII(2).	F.C.
169135 (720/Del/87)	19-08-87	THE TATA ENERGY RESEARCH INSTITUTE	A solar water heater.	07-09-91	2/00, 2/02.	98-I.	I.C.

1	2	3	4	5	6	7	8
169834 (240/Cal/89)	29-03-89	1. DIDIER-WERKE AG. 2. DEUTSCHE FORSCHUNGS- UND VERSUCHSAN- STATT FÜR LUFT.	Device for converting solar energy into process heat.	28-12-91	2/00,	98-I.	F.C.
<p>F 25 : REFRIGERATION OR COOLING; MANUFACTURE OR STORAGE OF ICE; LIQUEFACTION OR SOLIDIFICATION OF GASES.</p> <p>F 25 B : Refrigeration machines, plants, or systems; combined heating and refrigeration systems; e.g. heat-pump systems.</p>							
167901 (595/Mas/86)	28-07-86	JEUMONT-SCHNEIDER.	An apparatus for thermal treatment of substances such as zeolite.	05-01-91	15/00, 17/00.	89-E; 98-G- VII(2).	F.C.
168243 (96/Cal/88)	04-02-88	HOERBIGERVENTI- LWERKE AKTIENGE- SELLSCHAFT.	Compressor unit comprising a screw compressor or the like.	23-02-91	31/02.	163-D.	FC.
168548 (1007/Cal/87)	29-12-87	WHITE CONSOLI- DATED INDUSTRIES INC.	A hermetic refrigeration compressor.	20-04-91	31/00.	6-A3.	F.C.
169249 (216/Bom/89)	03-08-89	DR. TRIDIB KUMAR GOSWAMI & NAVEEN KUMAR SETH AND KWALITY FROZEN FOODS PVT. LTD.	A device for pre-cooling and freezing or hardening perishable food articles.	14-09-91	15/10.	50-D- VII(1).	I.I. I.C.
169434 (121/Cal/87)	11-02-87	FRANZ WELZ INTER- NATIONALE TRANSPORTE GMBH.	A refrigerating tank for forming a refrigerated at- mosphere for refrigeration of goods.	19-10-91	31/00.	50-F.	F.C.
169520 (464/Cal/88)	07-06-88	E.I. DU PONT DE- NEMOURS AND COMPANY.	A refrigerant having halo carbon blends.	02-11-91	9/00.	32-F1, 50-B.	F.C.
169581 (138/Del/87)	17-02-87	SANDEN CORPORA- TION.	Device for controlling the capacity of a variable capa- city compressor.	16-11-91	1/00.	50-E.	F.C.
<p>F 25 D : Refrigerators; Cold rooms; Ice-boxes; Cooling or freezing apparatus not covered by any other sub class.</p>							
168711 (28/Bom/88)	09-03-89	RAVINDRA KUMAR RAMJIBHAI YADAV.	Refrigerator-cum-water cooler.	25-05-91	11/00, 31/00.	50-F+E- 3VII(1).	I.I.
169246 (151/Bom/89)	09-06-89	DR. TRIDIB KUMAR GOSWAMI & NAVEEN SETH AND KWALITY FROZEN FOODS PVT. LTD.	A device for maintaining heat labile frozen articles in the frozen condition.	14-09-91	7/00; 3/10	40-A- VII(1).	I.I. I.C.
169249 (216/Bom/89)	03-08-89	DR. TRIDIB KUMAR GOSWAMI & NAVEEN KUMAR SETH AND KWALITY FROZEN FOODS PVT. LTD.	A device for pre-cooling and freezing or hardening perisha- ble food articles.	14-09-91	17/00.	50-D- VII(1).	I.I. I.C.

1	2	3	4	5	6	7	8
F 26 DRYING.							
F 26 B : Drying solid materials or objects by removing liquid therefrom.							
169460 (199/Cal/88)	07-03-88	RICHTER GEDEON VEGYESZETI GYAR R.T.	Drying apparatus.	19-10-91	11/00, 11/04.	61-A.	F.C.
F 27 : FURNACES; KILNS; OVENS RETORTS.;							
F 27 B : Furnaces, kilns, ovens, or retorts in general; open sintering or like apparatus.							
167988 (773/Cal/87)	05-10-87	NEUTRALYSIS INDUSTRIES PVT. LTD.	A method for treatment of domestic and industrial waste materials.	19-01-91	7/00.	20-C.	F. C.
168031 (649/Mas/86)	12-08-86	ELKEM A/S.	Apparatus for suspending a generally tubular baking furnace about an elongate carbonaceous workpiece.	26-01-91	1/10.	85-J- XXXI.	F.C.
168173 (168/Cal/87)	04-03-87	COMBUSTION ENGINEERING INC.	An operating system for effecting an efficient combustion in a tangentially fired pulverized coal furnace.	16-02-91	1/00; 7/00; 9/00.	85-A; C.J.	F.C.
168474 (679/Mas/86)	22-08-86	ELKEN A/S.	Packing furnace and method for production of elongate carbon bodies.	13-04-91	9/00.	85-B- XXXI.	F.C.
168541 (913/Cal/87)	23-11-87	L & C STEINMULIER GMBH.	A device for the combustion of carbonaceous materials in a fluidized bed reactor.	20-04-91	15/00, 15/02.	85-J.	F.C.
168601 (77/Bom/88)	09-05-89	SUBHANJAN MOHANTY	A coal fired furnace for powder metallurgy.	04-05-91	3/04, 19/02.	85-J- XXXI.	I.I.
168709 (90/Del/87)	06-02-87	HAZEMAG DR E. ANDREAS GMBH & CO.	Rotary drum for use with a rotary kiln.	25-05-91	7/20; 7/22; 7/24.	85-HQ.	F. C.
168857 (902/Mas/86)	24-11-86	SUMITOMO METAL INDUSTRIES LTD.	An apparatus for controlling string strength of a jet of oxygen gas and the flow rate of the oxygen gas blown into a molten metal bath in a top blowing oxygen furnace.	29-06-91	14/20.	85-I- XXXI.	F. C.
169114 (978/Mas/86)	16-12-86	CHARBONNAGES DE FRANCE (ETABLISSEMENT PUBLIC).	An apparatus for fluidised composition.	07-09-91	3/02.	85-G- XXXI.	F.C.
169328 (383/Mas/87)	25-05-87	A. AHISTROM CORPORATION.	Fluidized bed reactor.	28-09-91	15/00.	85-G, J- XXXI.	F.C.
169455 (106/Cal/88)	05-02-88	WESTINGHOUSE ELECTRIC CORPORATION.	Apparatus for controlling combustion gas supplied to a rotary combustor.	19-10-91	7/36.	85-Q, L.	F.C.
169512 (380/Cal/88)	11-05-88	ALUMINIUM PECHINEY.	Closure device for an open chamber ring furnace.	02-11-91	13/00, 13/14.	85-J; 70-B.	F.C.

1	2	3	4	5	6	7	8
F 27 D : Details or accessories of furnaces, kilns, ovens, or retorts, in so far as they are kinds occurring in more than one kind of furnace.							
168187 (290/Bom/88)	14-10-88	KAMALENDU MUKERJI	An advance reciprocating conveyor system for propelling solid fuel/materials to furnace and the like plant.	16-02-91	3/04.	85-F-XXXI. 116-G-XLIX.	I.I.
168550 (269/Cat/88)	30-03-87	KORTEC AG.	Charging material preheater for preheating charging for a metallurgical smelting unit	20-04-91	5/00, 13/00.	103-C3; 85-J.	F.C.
168712 (08/Bom/89)	03-01-89	BALCHANDRA KRISHNAJI PATWARDHAN.	Electronic engine monitor.	25-05-91	21/00.	107-G-XLVI (2).	I.I.
169534 (500/Cat/88)	20-06-88	1. INSTITUTE FIZIKI AKADEMI NAUK LAT- VSKOI SSR 2. RIZH- SKY PLITEKHNICHES- KY INSTITUTE IMENT.	Furnace for preparing and delivering alloys.	09-11-91	3/00, 11/12.	85-C & J.	F.C.
169627 (501/Maa/87)	15-07-87	STEIN HEURTEY SOCIETE ANANYME ZAI DU BOIS DE L'EPINE	Fire-dog tube supported by a column.	23-11-91	3/00, 5/00, 15/00.	85-I-XXXI.	F.C.
F 28 : HEAT EXCHANGE IN GENERAL.							
F 28 C : Heat exchange apparatus, not provided for in another subclass, in which the heat exchange media come into direct contact without chemical interaction.							
168686 (961/Maa/86)	10-12-86	THE MARLEY COOLING TOWER COMPANY.	An evaporated cooling tower splash bar.	18-05-91	1/00.	98-G-VII(2).	F.C.
168697 (131/Maa/87)	25-02-87	WLP HOLDINGS PRO- PERTARY LIMITED	A splash pack for an evaporative cooler.	18-05-91	1/00.	50-B-VII(2).	F.C.
F 28 D : Heat-exchanger apparatus, not provided for in another subclass, in which the heat-exchange media do not come into direct contact; Heat storage plants or apparatus in general.							
169601 (160/Maa/87)	09-03-87	AIR PRODUCTS AND CHEMICALS, INC.	A heat exchanger for boiling flowing liquids.	23-11-91	21/00.	98-G-VII(2).	F.C.
F 28 F : Details of heat-exchange or heat-transfer apparatus, of general applications.							
168238 (804/Cat/88)	27-09-88	BELORUSSKY POLI TEKHNICHESKY INSTITUT USSR.	Method for making a tabular member having transverse ribs for use in a heat exchanger.	23-02-91	1/00.	98-G.	F.C.
168492 (839/Cat/87)	27-10-87	PHILLIPS PETROLIUM COMPANY.	A U-bend tube supporting device for use with a tube bundle in heat exchanger.	13-04-91	9/00.	98-D; E.	F.C.
168686 (961/Maa/86)	10-12-86	THE MARLEY COOL- ING TOWER COMPANY.	An evaporative cooling tower splash bar.	18-05-91	1/00.	98-G-VII(2).	F.C.
168873 (181/Dol/87)	03-03-87	STEIN INDUSTRIE.	A device for fixing a perforated sheet against the perforated tube plate of a heat exchanger.	29-06-91	3/00.	61-H.	F.C.
168929 (623/Cat/88)	27-07-88	THE AIR PREHEATER COMPANY INC.	An element basket assembly for a heat exchanger.	13-07-91	3/00.	98-E.	F.C.

1	2	3	4	5	6	7	8
F 41 : WEAPONS.							
F 41 B : Weapons for projecting missiles without use of explosive or propellant charge, Weapons not otherwise provided for-							
168501 (1010/Cal/87)	30-12-87	SERGE LADRIERE.	Gun for firing caseless ammunition.	13-04-91	15/00.	10-I; 169-C.	F.I.
F 41 C : Hand firearms, Accessories the refor.							
168461 (744/Mss/85)	25-09-85	STURM RUGER & COMPANY INC.	An improved handgun.	19-10-91	1/00.	169-BI- XXXIX(6).	F.C.
F 41 D : Automatic guns. e-g- machine guns.							
168307 (202/Del/87)	06-03-87	WERKZEUGMASCHI- NENFABRIK OERLI- KONBUIRLE AG.	Apparatus for conformal transfer of the cradle movement of a fire-arm to the direction collimator.	09-03-91	10/34.	169-A.	F.C.
F 41 G : Weapon signs, Aiming.							
168051 (361/Cal/88)	03-03-88	R.V. OPTISCHE INDUS- TRIE "DE OUDE DELET".	Collimating mark device.	24-08-91	11/00.	169-C.	F.C.
F 42 : AMMUNITION-BLASTING.							
F 42 B : Explosive charges, Ammunition, Missiles, Fireworks.							
168917 (388/Cal/88)	13-05-88	SERGE LADRIERE.	Improvements to piercing projectiles.	13-07-91	13/00.	10-F.	F.I.
169049 (140/Cal/88)	16-02-88	NITRO NOBEL AB.	Detonator.	24-08-91	3/00.	10-B, C.	F.C.
169266 (885/Del/86)	03-10-86	ROYAL ORDNANCE PLC.	Explosive shell.	21-09-91	3/00.	72-BC.	F.C.
169504 (883/Del/86)	03-10-86	ROYAL ORDNANCE PLC.	Explosive projectile.	26-10-91	3/00.	72-B & C.	F.C.
F 42 C : Fuzes, Arming or safety means therefor.							
168030 (344/Del/87)	20-04-87	ATLAS POWDER COMPANY.	Reinforced fuse tube which resists longitudinal deformation for use in the transmission of energy and apparatus for manufacturing such reinforced fuse tube.	26-01-91	19/02.	10-B.	F.C.
168398 (775/Del/87)	02-09-87	KURT GORAN ANDER- SON NILS-ERIK GUNNERS. YNGVE LENNART NILSSON.	A base bleed unit for increasing the range of fire and for decreasing the time of flight for shells and projectiles.	23-03-91	7/00.	10-F.	F.I.
SECTION-G- PHYSICS.							
G 01 : MEASURING, TESTING.							
G 01 B : Measuring length, thickness, or similar linear dimensions, Measuring angles, Measuring areas, Measuring irregularities of surfaces or contours.							
167961 (243/Bom/88)	25-08-88	VINAY KUMAR SHRIDHAR.	An improved ratchet device attached with a handle of a screw gauge and the like.	12-01-91	5/16.	89-XLI(6); 127-H-LXV(1).	I.I.

1	2	3	4	5	6	7	8
168753 (449/Cal/87)	09-06-87	MITUTOYO CORPO- RATION.	Displacement detecting apparatus.	01-06-91	7/02.	89	F.C.
168819 (329/Bom/89)	28-11-89	LAXMAN RAMJI DIVEKAR DATTA.	A geometrical instrument.	15-06-91	3/02.	46-B- XXXVIII(2).	I.I.
169315 (147/Mas/87)	03-03-87	RANK TAYLOR HOBSON LIMITED.	A system for performing metrological operations.	28-09-91	21/20, 21/30.	260-E- LXII.	F.C.
169393 (265/Mas/87)	08-04-87	MITUTOYO MFG. CO. LTD.	A device for measuring relative displacement between a pair of scales by detecting signals of capacitance type transducers.	12-10-91	21/16.	89-XLI(6).	F.C.
169515 (403/Cal/88)	19-05-88	FIZI-KO-ENERGET- CHESKY INSTITUT AKADEMII NAUK LATVIISKOI SSR.	Eddy-current non-destructive testing device.	02-11-91	7/06.	126-A.	F.C.
169557 (605/Cal/88)	19-07-88	FIZIKO-ENERGETI- CHESKY INSTITUT AKADEMII NAUK LATVIISKOI SSSR.	Apparatus for device for measuring thickness of metal coating.	09-11-91	7/00.	89.	F.C.
169616 (489/Cal/88)	16-06-88	NEYRPIK FRAMA- TOME MECANIQUE.	Laser ray projection and remote measuring device comprising at least two of these projectors.	23-11-91	9/00.	126-A.	F.C.
169640 (555/Cal/88)	05-07-88	DR. ANANDA CHANDA AND SANTOSH KUMAR CHANDA.	Device for measuring depth of lakes rivers seas and oceans.	23-11-91	3/00, 5/00.	146-A.	I.I.
169747 (724/Del/87)	28-04-88	COUNCIL OF SCIEN- TIFIC AND INDUS- TRIAL RESEARCH.	A process for the prepara- tion of indicator paper for on the spot testing of iodine in the range of 15-42 pp, it iodated salt.	14-12-91	7/14.	40-F&I.	I.C.
G - 01 C : Measuring distances, levels, or bearings, for surveying or navigation, Gyroscopic instruments, Photogrammetry.							
169361 (148/Mas/87)	03-03-87	RANK TAYLOR HOB- SON LIMITED.	Apparatus for position control of a workpiece.	05-10-91	5/00, 9/00.	89 & 129-G- XLI(6) & XXXV.	F.C.
G - 01 D : Indicating or recording in connection with measuring in general, Devices or instruments for measuring to or more variables not covered by a single other subclass, tariff metering apparatus, Measuring or testing not otherwise provided for.							
167965 (17/Bom/89)	16-01-89	LARSEN & TOUBRO LIMITED.	A magnetic device for direct measurement of velocity of a moving component.	12-01-91	5/12.	126-A- LVIII(6).	I.C.
168444 (615/Cal/87)	07-08-87	MITUTOYO MFG. CO. LTD.	Optical type displacement detecting device.	06-04-91	5/38.	89.	F.C.
168529 (760/Cal/88)	09-09-88	PROMOD RANJAN RAY.	Electronic device for detect- ing inflammable gas.	20-04-91	5/00.	105-B.	I.I.
168575 (390/Cal/87)	16-08-88	MADHAV ANANT DATE	A single phase digital energy meter	04-05-91	4/00.	126-C.	I.I.

1	2	3	4	5	6	7	8
169004 (279/Cal/87)	07-04-87	SIEMENS AKTIENGE SELLSCHAFT.	Device for detecting and localizing faults in electrical installations.	10-08-91	5/00.	146-C.	F.C.
169346 (238/Mas/87)	02-04-87	OWENS-ILLINOIS, INC.	A molded container.	28-09-91	7/00.	22-XL(2).	F.C.
169603 (278/Mas/87)	15-04-87	ROSEMOUNT INC.	A measurement circuit for providing an output as a function of an input signal.	23-11-91	5/12.	126-D- LVIII(6).	F.C.
169777 (234/Cal/90)	21-03-90	MITUTOYO MFG. CO. LTD.	Optical type displacement detecting device.	21-12-91	5/38.	89.	F.C.
169778 (235/Cal/90)	21-03-90 ante dated to 07-08-87	MITUTOYO MFG. CO. LTD.	Optical type displacement detecting device.	21-12-91	5/38.	89.	F.C.
169779 (236/Cal/90)	21-03-90 ante dated to 07-08-87	MITTOYO MFG. CO. LTD.	Optical type displacement detecting device.	21-12-91	5/38.	89.	F.C.
G 01 F : Measuring volume. Volume flow. mass flow. or liquid level, Metering by volume.							
167966 (49/Bom/89)	28-02-89	MRS. SHMAL JAI- SHANKAR NIRODY.	A warning device to be fixed on the dash board of automobile.	12-01-91	23/00.	168- CB-L(4).	I.I.
169163 (10/Mas/87)	07-01-87	SOCIETE DES PRO- DUITS NESTLE S.A.	A metering head.	07-09-91	1/56.	102-D & 195-E- XXIX(1).	F.C.
G 01 G: Weighing.							
168264 (905/Cal/87)	19-11-87	FLINTAB AB.	A compression type load cell.	02-03-91	3/00.	204.	F.C.
168619 (425/Del/87)	14-05-87	W & T AVERY LIM- TED.	A weighing system.	04-05-91	1/29.	204.	F.C.7
169106 (1020/Mas/86)	29-12-86	PFISTER GMBH.	Flat-spread force measuring device.	07-09-91	19/02, 1/24.	126-A & D- LVIII(6).	F.C.
169206 (76/Mas/87)	04-02-87	PFISTER GMBH.	Platform weighing apparatus.	14-09-91	19/02; 21/00.	204-XLI(1)	F.C.
169666 (336/Mas/87)	08-05-87	EDELEANU GESELLS CHAFT MBH.	Apparatus for weighing batches of a free flowing material.	30-11-91	13/00.	204- XLI(10).	F.C.
169763 (787/Del/86)	02-09-86	BP CHEMICALS LIMITED.	Rotary type metering device for dispensing determined quantities of a granular substance.	21-12-91	13/12.	125-B1.	F.C.
G 01 H : Measurement of mechanical vibrations or ultrasonic; sonic or infrasonic waves.							
169004 (279/Cal/87)	07-04-87	SIEMENS AKTIENGE SELLSCHAFT.	Device for detecting and localizing faults in electrical installations.	10-08-91	1/00.	146-C.	F.C.

1	2	3	4	5	6	7	8
G 01 J : Measurement of intensity, velocity, spectral content, polarisation, or phase of infra-red visible, or ultra-violet light; Colorimetry; Radiation pyrometry.							
168025 (983/Del/86)	10-11-86	BERTIN & CIE.	An optical fiber spectrometer/ colorimeter apparatus.	26-01-91	3/10, 3/46.	146-D1- XXXVIII(2).	F.C.
168887 (985/Mas/86)	17-12-86	THE BRITISH PETROLEUM COM- PANY PLC.	An improved method of classifying diamonds and sorting them according to their quality.	06-07-91	3/44.	146-D1- XXXVIII(2).	F.C.
168969 (928/Cal/88)	07-11-88 ante dated to 13-11-85	SHIELDS INSTRU- MENTS LIMITED.	An infrared spectrophoto- metric analysing apparatus.	27-07-91	3/00.	146-Cd3.	F.C.
G 01 K : Measuring temperature; Measuring quantity of heat; Thermally-sinsitive elements not otherwise provided for.							
168767 (989/Cal/87)	27-12-87	INTERNATIONALE CONTROL AUTOMA- TION FINANCE S.A.	Auto acceleration control system for exothermic reactor.	01-06-91	1/00.	146-C.	F.C.
G 01 L : Measuring force, stress, torque, work, mechanical power, mechanical efficiency, or fluid pressure.							
169658 (589/Cal/88)	13-07-88	INTERNATIONAL CON- TROL AUTOMATION FINANCE S.A.	Dual sided pressure sensor.	30-11-91	23/18.	89.	F.C.
169661 (371/Mas/87)	20-05-87	PFISTER GMBH.	Force measuring device.	30-11-91	1/22. 5/00.	204- XLI(10).	F.C.
169797 (399/Mas/87)	01-06-87	ROSEMOUNT INC.	A pressure sensor.	21-12-91	13/02.	89-XLI(6).	F.C.
G 01 M : Testing static or dynamic balance of machines or structures; Testing structures or apparatus not otherwise provided for.							
167893 (536/Del/86)	17-06-86	ALCATEL.	A machine for leak testing parts by the penetration method.	05-01-91	3/00.	89.	F.C.
168093 (815/Mas/86)	15-10-86	AMSTED INDUSTRIES INCORPORATED.	An improved apparatus for positioning and testing railroad wheels.	02-02-91	1/02.	158-D3 & 205-B & G- -LII(2) & LVI; 126D- LVIII(6).	F.C.
168318 (139/Cal/87)	23-02-87	ELI LILLY AND COM- PANY.	Optical fiber apparatus and a sensing system having the said apparatus.	09-03-91	11/00.	146-D1.	F.C.
168613 (128/Del/87)	16-02-87	BP CHEMICALS LIM- TED.	Apparatus for detecting anomalies in a fluidised bed contained in an enclosure.	04-05-91	33/00.	126-D- LVIII(6).	F.C.
168713 (33/Bom/89)	02-02-89	RAJENDRA SINGH CHAUHAN.	An automatic electronic device for detecting L.P.G. leakage/flame failure and stopping the gas supply.	25-05-91	3/16.	126-D+A- LVIII(6).	I.I.

1	2	3	4	5	6	7	8
G 01 N : Investigating or analysing materials by determining their chemical or physical properties.							
168072 (616/Mas/86)	31-07-86	THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION.	A device for measuring static and kinetic friction coefficient of a material with the same material or with any other material.	02-02-91	19/02.	127-I-LXV(1).	I.C.
168082 (892/Cal/86)	09-12-86	B.V. OPTISCHE INDUS- TRIE 'DE OUDE DELFT'.	An improved dosimeter for ionising radiation apparatus for slit radiography.	02-02-91	23/00.	148-H.	F.C.
168103 (390/Del/86)	29-07-86	SAFT.	A method of manufacturing a polymer consolidated cadmium electrode for an alkaline storage cell.	02-02-91	27/30.	70-B· LVIII(5).	F.C.
168158 (746/Cal/87)	18-09-87	KATIKINENI JAGAN MOHAN RAO AND KATIKINENI SAVITRI RAO.	Ion selective electrodes.	09-02-91	27/30, 27/40.	70-A.	I.I.
168277 (161/Cal/87)	03-03-87	WESTINGHOUSE ELEC- TRIC CORPORATION.	Improvements in or relating to apparatus for ultrasonically inspecting a large shaft from a liquid-filled bore.	02-03-91	29/00.	89.	F.C.
168318 (139/Cal/87)	23-02-87	ELI LILLY AND COMPANY.	Optical fiber apparatus and sensing system having the said apparatus.	09-03-91	21/00.	146-D ₁ .	F.C.
168319 (194/Cal/87)	10-03-87	BENKE INSTRUMENT & ELEKTRO AG.	A process analyzer system.	09-03-91	30/00.	40-F.	F.C.
168554 (786/Cal/86)	28-10-86	COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RE- SEARCH ORGANIZA- TION.	Composite electrode materials for use in solid electrolyte device and solid electrolyte device including said electrode.	27-04-91	27/00.	70-B.	F.C.
168564 (99/Cal/89)	31-01-89 ante dated to 26-12-86	DREW CHEMICAL CORPORATION.	A test conduit apparatus for testing heat transfer characteristics of a fluid.	27-04-91	17/00.	89.	F.C.
168802 (653/Cal/87)	18-08-87	HORIBA LIMITED.	A compact ion concentration measuring apparatus.	08-06-91	27/00.	70-A.	F.C.
169032 (344/Cal/88)	27-04-88	INJECTALL LIMITED.	Apparatus for taking a sample of molten metal from a vessel containing molten metal.	24-08-91	1/00; 1/02.	33-D, 105C, 108-C ₃ , 130-F.	F.C.
169194 (981/Del/88)	11-11-88 ante dated to 07-03-86	KENNECOTT MINING CORPORATION.	Apparatus for holding a sensing probe.	14-09-91	11/00.	40-F.	F.C.
169213 (103/Mas/87)	16-02-87	JULIUS HARTAL. TERJE OLSEN. NILSCHR LEKVIN.	An apparatus for magneto-structural materials investigation and non-destructive materials testing of diamagnetic paramagnetic ferromagnetic and ferromagnetic materials.	14-09-91	27/72.	63-H, 126A- LVII(1), LVIII(6).	F.I.

1	2	3	4	5	6	7	8
169346 (238/Mas/87)	02-04-87	OWENS-ILLINOIS, INC.	A molded container.	28-09-91	21/01.	22-XL(2).	F.C.
169347 (239/Mas/87)	02-04-87	OWENS-ILLINOIS, INC.	Apparatus for inspecting the finish of containers.	28-09-91	21/01.	22 & 170-F- XL(2), XL(6).	F.C.
169374 (1063/Del/86)	03-12-86	IMPERIAL CHEMI- CAL INDUSTRIES, PLC.	Electrode for use in an electrolytic cell.	05-10-91	27/30.	14-A ₂ .	F.C.
169453 (57/Cal/88)	27-01-88	RANJIT CHALIHA.	An apparatus for measure- ment of the moisture content of a sample of particulate materials.	19-10-91	5/00, 37/00.	146-C.	I.I.
169747 (724/Del/87)	28-04-88	COUNCIL OF SCIENTI- FIC AND INDUSTRIAL RESEARCH.	A process for the preparation of indicator paper for on the spot testing of iodine in the range of 15-42 ppm in iodated salt.	14-12-91	31/22.	40-F & I.	I.C.
169762 (1065/Del/86)	04-12-86	JEAN GUIGAN.	Apparatus for delivering plasma from a blood sample for analysis purposes.	21-12-91	33/49.	128-G.	F.I.
G 01 P : Measuring linear or angular speed, acceleration, deceleration, or shock; Indicating presence, absence, or direction, of movement.							
168351 (674/Mas/86)	21-08-86	MUIRHEAD VACTRIC COMPONENTS LIMIT- ED.	An encoder.	16-03-91	3/36, 3/42.	105-C- XLI(7).	F.C.
168684 (866/Mas/86)	05-11-86	1. VADAKKEVEETIL ALEXANDER ABRA- HAM, 2. INTEGRATED PROCESS AUTOMA- TION PRIVATE LIMIT- ED.	An electronic speed checker for checking the speed of vehicles]	18-05-91	3/51.	75 & 20SE XLI(5) & LXII.	I.I.
169312 (892/Mas/86)	18-11-86	RANK TAYLOR HOB- SON LIMITED.	Apparatus for measuring velocity of a moveable member.	28-02-91	3/36.	146-C- XXXVIII(2).	F.C.
169803 (310/Cal/88)	18-04-88	SIEMENS AKTIENGE SELLSCHAFT.	An apparatus for detecting speed of an electrical machine.	28-12-91	3/42.	105-C.	F.C.
G 01 R : Measuring electric variables; Measuring magnetic variables.							
167965 (17/Bom/89)	16-01-89	LARSEN & TOUBRO LIMITED.	A magnetic device for direct measurement of velocity of a moving component.	12-01-91	33/18.	126-A- LVIII(6).	I.C.
168575 (390/Cal/87)	16-08-88	MADHAV ANANT DATE.	A single phase digital energy meter.	04-05-91	11/32, 11/56, 21/00.	126-C.	I.I.
168584 (761/Mas/86)	26-09-86	MERILINGERIN.	Voltage measuring device of a high voltage conductor of a metalclad installation.	04-05-91	13/04, 15/06.	126-D- LVIII(6).	F.C.
168926 (357/Cal/88)	02-05-88	TILAK KRISHNA SAHGAL.	Single phase kilowatt hour meter.	13-07-91	11/00.	125-C.	I.I.

1	2	3	4	5	6	7	8
169213 (103/Mas/87)	16-02-87	JULIUS HARTAL. TERJE OLSEN. NILS CHARLLEKVIN.	An apparatus for magneto- structural materials investi- gation and non destructive materials testing of diamag- netic, paramagnetic ferrom- agnetic and ferrimagnetic materials.	14-09-91	33/12.	63-H, 126-A- LVII(1); LVIII(6).	F.I.
169382 (16/Cal/88)	07-01-88	KAREL HAVEL.	A measuring device for a variable colour digital volt meter for indicating measured values.	05-10-91	19/25.	126-C.	F.I.
169422 (40/Bom/89)	17-02-89	SEA-HAWK MARINE & ALLIED SERVICES PVT. LTD.	An improved sealing device.	12-10-91	11/24.	76-H- LXIV(4).	I.C.
169823 (107/Bom/89)	24-04-89	VIDULA MAHESH- BHAI TRIVEDI AND PARIMAL MAHES- BHAI TRIVEDI.	A moulded pilferproof current transformer block for energymeter at consumer's premises.	28-12-91	11/48.	126-A & 126-C- LVIII(6).	I.I.
G 01 S : Radio direction-finding, locating, distance or velocity measuring; Radio navigation systems; Analogous systems employing other waves.							
169326 (303/Mas/87)	27-04-87	HOLOGYNE LTD.	A system for locating and distinguishing targets.	28-09-91	17/06.	206-E- LXII.	F.C.
169389 (788/Cal/89)	26-09-89 ante dated to 11-08-86	HOLLANDSE SIGNAAL APPARATEN B.V.	Pulse radar apparatus.	05-10-91	1/18.	206-C, G.	F.C.
G 01 T : Measurement of nuclear or X-radiation.							
168082 (892/Cal/86)	09-12-86	B.V. OPTISCHE INDUSTRIE 'DE OUDE DELFT'.	An improved dosimeter for ionising radiation apparatus for slit radiography.	02-02-91	1/02.	148-H.	F.C.
168083 (894/Cal/86)	09-12-86	B.V. OPTISCHE INDUSTRIE 'DE OUDE DELFT'.	Apparatus for slit radio- graphy.	02-02-91	1/05.	128-G.	F.C.
G 01 V : Geophysics; Gravitational measurements; Detecting masses or objects.							
168185 (239/Bom/88)	05-10-88	SATYA PRAKASH VERMA.	A rotary machine for pro- ducing power by gravitational- pull magnetic force and lever age.	16-02-91	3/08.	63-Ig- LVII(1).	I.I.
169464 (260/Mas/87)	07-04-87	INSTITUT FRANCAIS DU PETROLE	A device for generating acoustic waves by means of a falling mass striking a target element anchored in a well.	19-10-91	1/147.	146-C- XXXVIII(2).	F.C.
169530 (385/Mas/87)	25-05-87	INSTITUT FRANCAIS DU PETROLE.	A system for the transmis- sion of seismic signals between a plurality of acquisition boxes.	02-11-91	1/22.	126-B- LVIII(6).	F.C.
G 02 : OPTICS.							
G 02 B : Optical elements, systems, or apparatus-							
168359 (889/Mas/88)	14-12-88 ante dated to 04-12-85	SPANDREL ESTABLI- SHMENT	Intergrating cavity for sensing a parameter of an object in a central zone thereof.	16-03-91	26/00.	146-D1- XXXVIII(2).	F.C.

1	2	3	4	5	6	7	8
168512 (158/CaI/88)	23-02-88 ante dated to 16-10-85	RONALD S. ACE.	A composite optical lens.	20-04-91	3/00.	146-D ₃ .	F.I.
168641 (988/Mas/86)	17-12-86	ZELLWEGER USTER LTD.	Device for determining the surface structure of a longi- tudinally extended test body, especially for measuring the hairness of a yarn.	11-05-91	26/02.	172-F-XX.	F.C.
168744 (787/Mas/86)	30-09-87	INDIAN SPACE RE- SEARCH ORGANISA- TION.	A process for preparing a front surface reflector and a front surface reflector there- of.	01-06-91	5/03.	112-F- XXX(3).	I.C.
169085 (874/CaI/87)	06-11-87	AMERICAN TELE- PHONE & TELE- GRAPH COMPANY.	A method and apparatus for making an elongated glass preform rod suitable for communication use.	31-08-91	6/00.	206-E.	F.C.
169381 (02/CaI/88)	01-01-88	INTERNATIONAL CONTROL AUTOMA- TION FINANCE S.A.	Apparatus for aligning fibre optic cables.	05-10-91	6/24.	146-D1.	F.C.
169410 (313/Mas/87)	01-05-87	VIEW-MASTER IDEAL GROUP, INC.	A stereoscopic viewer.	12-10-91	27/22.	146-D1- XXXVIII(2).	F.C.
169793 (406/Mas/87)	03-06-87	MINNESOTA MINING AND MANUFACTU- RING COMPANY.	Cube-corner retroreflector.	21-12-91	5/122.	146-D1- XXXVIII(2).	F.C.
G 02 C : Spectacles, sunglasses or goggles insofar as they have the same features as spectacles.							
169054 (619/CaI/88)	26-07-88	CYRIL HAROLD EVANS.	Contact lens of soft, pliable ophthalmic plastic material.	24-08-91	7/04.	17-1.	F.I.
169730 (32/Mas/87)	20-01-87	CIBA-GEIGY AG.	A process for the manufac- ture of an aqueous self- preserving soft contact lens cleaning or preserving solu- tion.	14-12-91	13/00; 7/04.	171- XXXVIII(4).	F.C.
G 02 F : Devices or arrangements, the optical operation of which is modified by changing the optical properties of the medium of the devices or arrangements for the control of the intensity, colour, phase, polar- isation or direction of light, e. g. switching, gating, modulating or demodulating; Techniques or procedures for the operation thereof; Frequency-changing; Non-linear optics; Optical logic elements; Optical analogue/digital converters.							
168021 (203/Dsl/86)	05-03-86	CAUZIN SYSTEMS, INCORPORATED.	Apparatus for scanning data encoded in bit form on a planar data strip.	26-01-91	3/00	146-D-; 206-E.	F.C.
G 03 : PHOTOGRAPHY; CINEMATOGRAPHY; ANALOGOUS TECHNIQUES USING WAVES OTHER THAN OPTICAL WAVES; ELECTROGRAPHY; HOLOGRAPHY.							
G 03 B : Apparatus or arrangements for taking photographs or for projecting or viewing them; Apparatus or arrangements employing analogous techniques using waves other than optical waves; Accessories therefor.							
168392 (148/Del/87)	19-02-87	GILCHRIST STU- DIOS GROUP LTD.	Apparatus for use in recreat- ing a photographic image with selective alterations.	23-03-91	41/00.	148-H.	F.C.

1	2	3	4	5	6	7	8
168560 (704/Cal/87)	29-06-88	UPENDRA KUMAR DAS.	Magnetomatic imaging system.	27-04-91	42/00.	148-H.	I.I.
168990 (205/Cal/87)	12-03-87	W. HAKING ENTER- PRISES LIMITED.	An improved camera.	03-08-91	17/26.	148-H.	F.C.
G 03 D : Apparatus for processing exposed photographic materials; Acces- sories; there for.							
169505 (915/Del/86)	15-10-86	EASTMAN KODAK COMPANY.	Apparatus for cutting conti- nuous strand.	26-10-91	15/04.	52-A XXIV(1).	F.C
G 03 G : Electrophotography; Electrophotography; Magnetography.							
169791 (425/Mas/87)	08-06-87	SHARP KABUSHIKI KAISHA.	An apparatus for forming image.	21-12-91	15/00.	146-D1- XXXVIII(2).	F.C
G 03 H : Holographic processes or apparatus.							
169523 (462/Mas/87)	24-06-87	HOLTRONIC TECH- NOLOGIES LTD.	A method of manufacturing integrated circuits using holographic techniques	23-11-91	1/04 & 146-D- LXII & XXXVIII (2).	206-E	F.C.
G 04 : HOROLOGY.							
G 04 F : Time-interval measuring.							
168630 (370/Cal/89)	30-07-90	SOURINDRA MOHAN ROY.	An electronic metronome particularly for indian class- sical music.	11-05-91	5/02, 10/10.	137-F.	I.I.
G 05 : CONTROLLING; REGULATING.							
G 05 B : Control of regulating systems in general; Functional elements of such systems; Monitoring or testing arrangements for such systems or elements.							
168315 (95/Cal/87)	30-01-87	COMBUSTION ENGI- NEERING, INC.	Control systems for exer- cising control over an indust- rial process.	09-03-91	1/00.	146-C.	F.C.
168385 (792/Cal/87)	12-10-87	CARRIER CORPORA- TION.	A method of manufacturing a mechned material from a work piece.	23-03-91	19/00.	129-F, G.	F.C.
168767 (989/Cal/87)	27-12-87	INTERNATIONAL CONTROL AUTOMA- TION FINANCE S.A.	Autoacceleration control system for exothermic reac- tors.	01-06-91	11/00.	146-C.	F.C.
168995 (573/Cal/87)	27-07-87	INTERNATIONAL CONTROL AUTOMA- TION FINANCE S.A.	A self tuning system for process control.	10-08-91	13/00.	206-E.	F.C.
169101 (148/Mas/86)	04-03-86	KABUSHIKI KAISHA TOSHIBA.	A process controller for controlling a process acting on an object with two de- grees of freedom.	07-09-91	13/00, 19/00.	40-F- IV(1).	F.C.
169254 (769/Del/86)	28-08-86	EICHER GOODEARTH LIMITED.	Electronic or solid state regulator for dynamo ci:cuits which include battery.	21-09-91	15/02.	68-E1.	I.C.

1	2	3	4	5	6	7	8
169396 (276/Mas/89)	13-04-87	CENTRE MACHINE TOOL INSTITUTE.	An adaptive controller for maintaining a desired preset power in a machine tools.	12-10-91	13/00.	129)G & 133-A XXXV LIX(3).	I.C
169477 (504/Cal/89)	28-06-89	COMBUSTION ENGI- NEER INC.	A control systems for ex- ercising control over an the industrial process fineness of the particles ground in a bowl mill.	26-10-91	1/00.	146-C.	F.C
G 05 D : Systems for controlling or regulating non-electric variables.							
168125 (762/Mas/86)	26-09-86	THE DOW CHEMICAL COMPANY.	Temperature measuring apparatus.	09-02-91	23/22.	98-H; 146-F- VII(2), & XXXVIII (2)	F.C
168409 (259/Bom/89)	20-09-89 ante dated to 30-09-87	SHIRISH BHAILAL PATEL	An improved high bay tube lights fitting system.	30-03-91	25/00.	113-G- XXX(4), 112B & E	I.I.
168804 (910/Cal/87)	20-11-87	THE BABCOCK & WILCOX COMPANY.	A steam temperature con- troller.	08-06-91	23/00.	98-H.	F.C.
G 05 F : Systems for regulating electric or magnetic variables.							
168131 (124/Del/86)	17-02-86	EXIDE ELECTRONICS INTERNATIONAL CORP.	A stabilised power supply apparatus.	09-02-91	1/10.	68-E, I.	F.G.
168167 (199/Del/86)	03-03-86	TNE BABCOCK & WILCOX COMPANY.	An improved computerised system for the sequential control and monitoring of discrete devices.	16-02-91	1/00.	206-E.	F.C.
168496 (868/Cal/87)	04-11-87	GOLDSTAR CO. LTD.	A switching -type stabilizing power supply circuit.	13-04-91	1/10.	68-E1	F.C.
169587 (821/Del/87)	16-12-87	COUNCIL OF SCIEN- TIFIC AND INDUST- RIAL RESEARCH.	An electronic control device for electrochemical dissolu- tion process.	16-11-91	1/00.	206-E.	I.C.
G 05 G : Control devices or systems insofar as characterised by mechanical features only.							
168112 (234/Cal/87)	25-03-87	SIEMENS AKTIENGE- SELLSCHAFT.	Operational instrumentation and control system for power stations.	09-02-91	25/00.	206-E.	F.C.
168894 (258/Cal/87)	31-03-87	EATON CORPORATION	Device for controlling an automatic mechanical trans- mission system.	06-07-91	15/00.	134-D.	F.C.
G 06 : COMPUTING; CALCULATING; COUNTING.							
G 06 C : Digital computers in which all the computation is effected mechan- anically.							
167924 (556/Cal/87)	17-07-87	COMMODORE-AMIGA INC.	A computer system for trans- ferring a display control data.	12-01-91	1/00.	226-E	F.C.
168755 (554/Cal/87)	01-07-88	COMMODORE-AMIGA INC.	Cursor controlled user in- terface system.	01-06-91	21/00.	29-D.	F.C.

1	2	3	4	5	6	7	8
169053 (540/Cal/88)	01-07-88	OKI ELECTRIC INDUSTRY CO. LTD.	Contention control system.	24-08-91	9/00	168; 206 C & E.	F.C.
169339 (997/Cal/88)	02-12-88	SAMARESH GOSWAMY.	Data input decoding systems for use with computers or micro-processors.	28-09-91	7/09.	206-G.	I-I.
169634 (525/Cal/88)	28-06-88	DIGITAL EQUIPMENT CORPORATION.	Apparatus for modifying a data element in a main unit location of a data pro- cessing system.	23-11-91	77/00, 7/04, 7/09, 11/00, 13/00, 15/00, 17/00, 25/00.	206-E.	F.C.
169635 (526/Cal/88)	28-06-88	DIGITAL EQUIPMENT CORPORATION.	Apparatus for controlling access and use of instruction and data elements contained in a main memory unit.	23-11-91	7/00, 9/00, 13/00, 15/26, 21/04.	168-B & C& F, 105-C.	F.C.
169636 (528/Cal/88)	28-06-88	DIGITAL EQUIPMENT CORPORATION.	Fault recovery apparatus associated with a central processing unit of a data processing system.	23-11-91	11/00.	29-A.	F.C.
G 06 D : Digital fluid-pressure computing devices							
169634 (525/Cal/88)	28-06-88	DIGITAL EQUIPMENT CORPORATION.	Apparatus for modifying a data element in a main memory unit location of a data processing system.	23-11-91	7/00,	206-E, 15/00.	F.C.
169635 (526/Cal/88)	28-06-88	DIGITAL EQUIPMENT CORPORATION.	Apparatus for controlling access and use of instruction and data elements contained in a main memory unit.	23-11-91	3/00, 7/00, 9/00, 11/00, 11/00, 12/00, 13/00, 15/00	168-B & C&F 105-C.	F.C.
G 06 F : Digital computers in which at least part of the computation is effected electrically ; Arrangements for handling digital data.							
168127 (814/Mas/86)	15-10-86	OWENS-ILLINOIS GLASS CONTAINER INC	A system for inspection and sorting of molded container.	09-02-91	15/46.	167-C- XXXIV(4).	F.C.
168186 (258/Bom/88)	09-09-88	KABUSHIKI KAISHA- TOSHIBA.	Network system using token- passing bus access method for use in a process control system.	16-02-91	7/00.	29-D-XL (2), 206-E- LXII.	F.C.
168311 (503/Cal/85)	05-07-85	WESTINGHOUSE ELE- CTRIC CORPORATION.	Improvements in or relating to rule based diagnostic system with dynamic alter- ation capability.	09-03-91	13/00, 15/00.	206-E.	F.C.
168447 (659/Cal/87)	20-08-87	HITACHI LTD.	Data communication appa- ratus.	06-04-91	13/00.	206-E.	F.C.
168469 (938/Mas/86)	03-12-86	INTERNATIONAL BUSINESS MACHINES CORPORATION.	A multi-processing data processing system.	06-04-91	3/00.	168-C- LI(4).	F.C.

1	2	3	4	5	6	7	8
168479 (557/Cal/87)	17-07-17	COMMODORE-AMIGA INC.	Audio channel system for outputting at analog signal corresponding to a sound waveform in a personal computer system.	04-05-91	1/00.	206-E.	F.C.
168592 (662/Mas/86)	18-08-86	TELENET COMMUNI- CATIONS CORPORA- TION.	At interbus system.	04-05-91	1/40.	187-C1- LXI(2).	F.C.
168723 (291/Del/87)	06-04-87	APPLE COMPUTER, INC.	Video display apparatus.	25-05-91	3/14.	206-E.	F.C.
168837 (932/Cal/87)	27-11-87	HOLLANDSE SIG- NAALAPPARATEN B.V.	A communication system.	22-06-91	15/46.	67-C.	F.C.
168920 (830/Cal/90)	25-09-90 ante Dated to 17-07-87	COMMODORE- AMIGA, INC	Apparatus for reading a plurality input data bits transmitted serially from a resources memory.	13-07-91	3/00.	29-A.	F.C.
169053 (540/Cal/88)	01-07-88	OKI ELECTRIC INDUSTRY CO. LTD.	Contention control system.	24-08-91	13/00. 15/00.	168C; 206 C& E.	F.C.
169279 (837/Del/87)	22-09-87	GEC PIESSEY TELE- COMMUNICATIONS LIMITED.	Computer system essentially for use in the control of digital data transmission in a digital telephone ex- change.	05-10-91	07/00	206-E	F.C.
169421 (24/Bom/89)	30-01-89	HONEYWELL BYLL INC.	Apparatus for a data pro- cessing system having a peer relationship among a plura- lity of central processing units.	12-10-91	7/00.	67-C- LI(2); 29-D- XLI(2).	F.C.
169637 (529/Cal/88)	28-06-88	DIGITAL EQUIPMENT CORPORATION.	A data processing system.	23-11-91	15/00.	67-C.	F.C.
169819 (53/Del/88)	20-01-88	INTERNATIONAL BUSINESS MACHINES CORPORATION.	Computer system.	28-12-91	1/00.	206-E.	F.C.
G 06 Q : Analogue Computers-							
168311 (503/Cal/85)	05-07-85	WEST INGHOUSELEC- TRIC CORPORATION.	Improvements in or relating to rule based diagnostic system with dynamic alter- action capability.	09-03-91	7/00.	206-E.	F.C.
168572 (37/Cal/17)	12-01-87	HITACHI CONSTRUC- TION MACHINERY CO. LTD.	Control system for contro- lling input power to hy- draulic driving system.	04-05-91	3/00.		F.C.
169411 (332/Mas/87)	08-08-88	EDDIYA GOPALA KRISHNA RAO.	A combined calculator and instructional aid.	12-10-91	1/04.	29-A& C LI(2).	I.I.
06 K : Recognition of data; Presentation of data; Record carriers, Handling record carrier.							
167876 (626/Mas/86)	04-08-86	ARABICALATIN IN- FORMATION OF SYSTEMS.	A CRT display system.	05-01-91	9/00.	146-C& 168-F- XXXVIII (2) & LI (4).	F.C.

1	2	3	4	5	6	7	8.
167924 (556/Cal/87)	17-07-17	COMMODORE-AMIGA, INC.	A computer system for transferring display control data.	12-01-91	15/00.	206-E.	F.C.
169571 (336/Cal/88)	26-04-88	COMPUTER LIMITED.	Flat bed thermal printing apparatus.	16-11-91	15/00.	154-D.	F.C.
G 07 C : CHECKING DEVICES							
G 07 B : Ticked-issuing apparatus, Fare-registering to apparatus, Franking apparatus.							
168108 (1038/Del/86)	28-11-86	THE GOVERNOR AND COMPANY OF THE BANK OF ENGLAND.	A machine for printing a succession of numbers on a train of sheets or documetts.	02-02-91	1/00.	154-D-XXXVII (1) & 203-LXXXVII (3).	F.C.
G 07 C : Time or attendance registers; Registering or indicating the working of machines, Generating random numbers, Voting or lotter; apparatus, Arrangements, systems, or apparatus for checking not provided for els where.							
167892 (413/Del/86)	06-05-86	SHElf INTERNATIONAL RESEARCH MAATSCHAPPIJ B.V.	Process for producing hydrocarbon containing liquids from biomass.	05-01-91	4/16.	32-B.	F.C.
G 07 : Resistering the receipt of cash. valuables. or tokens.							
168488 (764/Cal/87)	25-09-87 ante date to 12-11-84	MAVERICK MICRO-, SYSTEMS INTER- NATIONAL, INC.	A hammer assembly for use in a chek encoding apparatus.	13-04-91	1/00.	46--E.	FC..
G08 : SIGNALLING.							
G 08 B : Signalling or calling arrangements, Alarm arrangements.							
169142 (743/Del/86)	18-08-86	YORK LIMITED.	Optical time-domain reflectometry apparatus.	07-09-91	1/08.	206-E-7- LXLLLI(1).	F.C.
169585 (603/ Del/87)	16-07-87 ante dated to 15-02-85	SANTA BARBARA RESEARCH CENTER.	A dual spectrum frequency responding fire sensor.	16-11-91	17/12.	81.	F.C.
169682 (126/Del/85)	15-02-85	SANTA BARBARA RESEARCH CENTRE.	A dual channel fire sensor circuit.	07-12-91	17/12.	81.	F.C.
G 08 C : Transmission systems for measured values, Control of similar signals.							
168756 (969/Cal/87)	08-12-88	SAIBAL ROY.	Optronic signal generator.	01-06-91	23/00.	168-C.	I.I.
G 08 G : Tranc control systems-							
168616 (255/Del/87)	21-06-88	BRAKESH SACHDEV & MUKESH SACHDEV.	Gear position indicator for vehicles.	04-05-91	1/00. 1/08.	134-A.	I I.

1	2	3	4	5	6	7	8
G 09 : EDUCATING, CRYPTOGRAPHY, DISPLAY, ADVERTISING, SEALS.							
G 09 B : Educational or demonstration appliances, Appliances for communicating with the blind or deaf, Models, Planetaria, Globes, Maps, Diagrams.							
168322 (308/Cal/87)	20-04-87	RALPH HABER HOYECK.	A guided writing system-cum-variable display device for alpha-numeric characters, and the like.	16-03-91	11/04.	168-H,F.	F.I.
169110 (123/Mas/84)	14-05-85	UPPINANGADY VARADARAYANAYAK.	An apparatus to demonstrate A. C. and/or D.C. dynamos.	07-09-91	23/18.	126-D-LVIII (6).	I.I.
G 09 F : Displaying, Advertising, Signs, Labels or name- plates, Seals.							
168322 (308/Cal/87)	20-04-87	RALPH HABER HOYECK.	A guided writing system-cum-variable display device for alphanumeric characters, and the like.	16-03-91	13/00.	168-F, H.	F.I.
168999 (846/Cal/87)	29-10-87	RAD HASSAN DABBAJ.	A light-reflective display element and display device comprising said display element.	10-08-91	11/00.	2-A.	F.I.
169248 (215/Bom/89)	02-08-89	RANJEET SINGH JASWAL.	An improved positively double dead lockable tamper evident seal.	14-09-91	3/03.	76-H-LXIV.	I.I.
169804 (560/Cal/88)	06-07-88	KAREL HAVEL.	A variable colour display device.	28-12-91	19/20.	2-B.3.	F.I.
G 09 G : Arrangements or circuits for control of indicating devices using static means to present variable information-							
169804 (560/Cal/88)	06-07-88	KAREL HAVEL.	A variable colour display device.	28-12-91	3/00, 3/32.	2-B ₃ .	F.I.
G 10 : MUSICAL INSTRUMENTS; ACOUSTICS.							
G 10 K : Sound-producing devices; Acoustics not otherwise provided for.							
169006 (448/Cal/87)	09-06-87	WESTINGHOUSE ELEC- TRIC CORPORATION.	An ultrasonic inspection apparatus.	10-03-91	11/00.	206-D.	F.C.
G 11 : INFORMATION STORAGE.							
G 11 B : Information storage based on relative movement between record carrier and transducer.							
167880 (673/Mas/86)	21-08-86	INTERNATIONALE BUSINESS MACHINES CORPORATION.	Assembly of transducer.	05-01-91	3/12, 3/31	147-K-LX(3).	F.C.
167990 (901/Cal/87)	17-11-87	INSTITUT PROBLEM MODELIROVANIA V ENERGETIKE AKADE- MII NAUK UKRAINSKOI SSSR.	Optical mechanical storage device.	19-01-91	7/00.	105-D.	F.C.
168003 (368/Cal/87)	06-05-87	INSTITUT PROBLEM MODELIROVANIA V ENERGETIKE AKADE- MII NAUK UKRAINS KOI SSR.	Optical information carrier.	19-01-91	7/00.	105-C.	F.C.
168113 (321/Cal/87)	23-04-87	INSTITUT PROBLEM MODELIROVANIA V. ENERGETIKE AKADE MII NAUK UKRAINS KOI SSR.	An optical information carrier.	09-02-91	3/66.	105-C.	F.C.

1	2	3	4	5	6	7	8
168182 (270/Bom/87)	25-11-88	LILADHAR SANNA- BHADTI AND PRA- BHAKAR DEODHAR.	A method of manufacturing electronically operable access card by storing information.	16-02-91	5/80.	29-D-XLI(2).	I.I.
168224 (372/Cal/87)	07-05-87	INSTITUT PROBLEM MODELIROVANIA V. ENERGETIKE AKADE- MII NAUK UKRAINS KOI SSR.	Optical memory.	23-02-91	11/00.	105-G	F.C.
168278 (337/Cal/87)	28-04-87	INSTITUT PROBLEM MODELIROVANIA V. ENERGETIKE AKADE- MII NAUK UKRAINS- KOI SSR.	An optical device for photo- thermal information record- ing, reading and erasing.	02-03-91	7/00.	105-C.	F.C.
168865 (960/Cal/87)	08-12-87	INSTITUT PROBLEM MODELIROVANIA V. ENERGETIKE AKADE- MII NAUK UKRAINS- KOI SSR.	Optical memory device.	29-06-91	7/00.	29-D; 105-C.	F.C.
168951 (371/Cal/87)	07-05-87	INSTITUT PROBLEM MODELIROVANIA V. ENERGETIKE AKADE- MII NAUK UKRAINS- KOI SSR.	An optical storage device.	27-07-91	7/00.	105-C.	F.C.
169012 (623/Cal/87)	11-08-87	TSUN-NAN YEH.	Cleaning device for magnetic head.	17-08-91	5/41.	147-E.	F.I.
169572 (364/Cal/88)	05-05-88	INSTITUT PROBLEM MODELIROVANIA V. ENERGETIKE AKADE- MII NAUK UKRAINS KOI SSR.	Optical storage device.	16-11-91	7/07.	105-C.	F.C.
169843 (722/Mas/87)	07-10-87	SCHLUMBERGER IND- USTRIES.	A method of manufacturing an electronic memory card and an electronic memory card produced by above method.	28-12-91	5/84.	168-C-LI(4).	F.C.

G 11 C : Static stores-

168182 (270/Bom/87)	25-11-88	LILADHAR SANNA- BHADTI AND PRA- BHAKAR DEODHAR.	A method of manufacturing electronically operable access card by storing information.	16-02-91	17/00.	29-D-XLI(2).	I.I.
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SECTION—H : ELECTRICITY.

H 01 : BASIC ELECTRIC ELEMENTS.

H 01 B : Cables; Conductors; Insulators; Selection of materials for their conductive,
insulating, or dielectric properties.

167964 (11/Bom/89)	04-01-89	EAGLE FLASK INDUS- TRIES PVT. LTD.	An improved heating pad	12-01-91	17/00	98-F; 48-A4.	I.C.
168754 (529/Cal/87)	09-07-87	KABELMETAL ELEC- TRO GESELLSCHAFT MIT BESCHRANKTER HAFTUNG	Heat shrinkable strap for a longitudinally extending object	01-06-91	3/00, 7/00, 13/00	34-C, 136-E	F.C.
168791 (330/Del/85)	18-04-85	CERAVER	Improved insulator of the pin or post type	08-06-91	17/00	48-D1	F.C.

1	2	3	4	5	6	7	8
168955 (93/Cal/83)	03-02-88	NGK INSULATORS, JTD.	An anticorrosive insulator	27-07-91	17/03	48-D1	F.C.
169139 (726/Del/88)	23-08-88 ante dated to 16-12-85	BP CHEMICALS LTD.	A laminate for insulation	07-09-91	3/42, 13/24, 17/62	48-C	F.C.
169141 (728/Del/86)	12-08-86	STC P.L.C.	A method and apparatus for manufacturing optical fibre.	07-09-91	11/03	48-A2 1-187H- CVIII(3), LXI(2)	F.C.
169262 (1060/Del/85)	16-12-85	BP CHEMICALS LIMITED.	A process for the production of an insulated cable.	21-02-91	3/42, 13/24, 17/62.	43-C.	F.C.
169413 (444/Mas/87)	18-06-87	BBC BROWN BOVERI AG.	Post insulator.	12-10-91	17/35.	43-D1-LVIII(3).	F.C.
169533 (498/Cal/88)	17-06-88	STAHLWERKE BOCHUM AKTIENGESELLSCHAFT.	Method of forming electri- cally insulating coatings on metallic surfaces.	09-11-91	3/33, 3/35, 3/38, 3/42, 3/44.	63B, 65-B-2, 43-A1, 43-B.	F.C.
169710 (506/Mas/87)	16-07-87	BURFAU BBR LTD.	A method and apparatus for manufacturing a corrosion protected supporting or stres- sing cable.	14-12-91	13/22.	115-G-XIX.	F.C.
H 01 C : Resistors.							
168691 (805/Mas/86)	13-10-86	RAYCHEM CORPORA- TION.	An electrode system suitable for use in an electrical device.	13-05-91	1/03, 7/03.	31-C-LVII(2).	F.C.
H 01 F : Magnets; Inductances; Transformers; Selection of materials for electric arc discharge propagation.							
167939 (1134/Del/86)	23-12-86	OVONIC SYNTHETIC MATERIALS COMPANY INC.	A method for the manufac- ture of a hard magnetic alloy.	12-01-91	1/04.	9-E.	F.C.
168230 (1001/Cal/87)	28-12-87	GOLDSTAR CO. LTD.	Flyback transformer.	23-02-91	40/04.	65-B3.	F.C.
168481 (705/Cal/87)	07-09-87	GOBIND SANWARIA.	A novel electronic choke for fluorescent lamps.	13-04-91	29/03, 37/00, 39/00.	31-B.	I.I.
168821 (544/Cal/87)	15-07-87	ASEA BROWN BOVERI INC.	Method of making a magnetic core.	15-05-91	41/02.	65-B2.	F.C.
169014 (666/Cal/87)	24-08-87	EMERSON ELECTRIC CO.	Permanent magnet assembly and method of making same.	17-08-91	1/03, 1/113.	63-H.	F.C.
169082 (791/Cal/86)	29-10-86	MWB MESSWANDLER- BAU AKTIENGESELLS- CHAFT.	High-voltage head current transformer and method of manufacturing same.	31-08-91	19/00.	65-B2; 3.	F.C.
169184 (169/Mas/87)	11-03-87	TECHCUT LIMITED.	Stationary inductive apparatus.	14-09-91	27/10.	65-B3-LVII(2).	F.C.
169336 (618/Cal/88)	26-07-88	ASEA BROWN BOVERI INC.	Method of protecting amor- phous metal cores for use in transformers.	28-09-91	3/00.	65-B3.	F.C.
169533 (498/Cal/88)	17-06-88	STAHLWERKE BOCHUM AKTIENGESELLSCHAFT.	Method of forming electri- cally insulating coatings on metallic surfaces.	09-11-91	3/00, 3/02.	63B, 65-B2, 48-A1; 48-B.	F.C.

1	2	3	4	5	6	7	8
169626 (513/Mas/87)	17-07-87	THE ENGLISH ELECTRIC COMPANY.	An encased current transformer.	23-11-91	27/02; 40/00.	65-B1 & 2 LVII(2).	I.C.
169809 (653/Cal/90)	01-08-90 ante dated to 26-07-88	WESTINGHOUSE ELECTRIC CORPORATION.	Improvement in or relating to preparation of amorphous metal core for use in transformer.	28-12-91	3/00.	65-B-2.	F.C.
169823 (107/Bom/89)	24-04-89	VIDULA MAHESHBHAI TRIVEDI AND PARMAL MAHESHBHAI TRIVEDI.	A moulded pilferproof current transformer block for energy meter at consumer's premises.	28-12-91	40/14.	125-A & 126-C LVIII(6).	I.I.
H 01 G : Capacitors; Capacitors. rectifiers, detectors, switching devices, or light-sensitive devices of the electrolytic type.							
168246 (436/Cal/88)	27-05-88	DUCATI ENERGIA S.P.A.	Wound capacitor impedance device.	23-02-91	4/32.	31-A.	F.C.
169737 (326/Cal/88)	22-04-88	GENERAL ELECTRIC COMPANY.	Capacitor containing an adsorbent material.	14-12-91	4/28.	31-A.	F.C.
H 01 H : Electric switches; Relays; Selectors; Emergency protective devices.							
167953 (65/Del/87)	22-02-88	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	Timer actuated Switch for industrial dust collectors as well as for the control of sequential cyclic switching of loads.	12-01-91	43/00.	69-B.	I.C.
167985 (693/Cal/87)	02-09-87	WESTINGHOUSE ELECTRIC CORPORATION.	Circuit breaker with fast trip unit.	19-01-91	77/05.	69D	F.C.
168039 (838/Mas/86)	27-10-86	MK ELECTRIC LIMITED.	An electrical component assembly.	26-01-91	9/00.	64-B2-LV(II)(4).	F.C.
168213 (274/Cal/87)	03-04-87	KABUSHIKI KAISHA-MEIDENSHA.	Vacuum interrupter.	23-02-91	51/34.	68-E3; 70-B.	F.C.
168273 (910/Cal/86)	15-12-86	SIEMENS AKTIENGESSELLSCHAFT.	An electric switchgear cell.	02-03-91	9/20.	69-P.	F.C.
168326 (392/Cal/87)	15-05-87	WESTINGHOUSE ELECTRIC CORPORATION.	Improvement in or relating to circuit breaker adjustable thermal trip unit.	16-03-91	73/00-	69-Q	F.C.
168418 (490/Del/87)	08-06-87	SALPLEX LIMITED.	Information handling and control systems for use in controlling electrical equipment.	30-03-91	85/00.	69-I.	F.C.
168424 (899/Mas/86)	21-11-86	MERLIN GERIN.	Control device for a high voltage circuit breaker equipped with closing resistors.	30-03-91	3/20; 3/48.	69-I-LIX(1).	F.C.
168526 (485/Cal/88)	15-06-88	SIEMENS AKTIENGESSELLSCHAFT.	Front plug system for a flat component.	20-04-91	1/52.	64-B3.	F.C.
168584 (761/Mas/86)	26-09-86	MERLIN GERIN.	Voltage measuring device of a high voltage conductor of a metalclad installation.	04-05-91	33/53.	126-D-LVIII(6).	F.C.
168673 (67/Cal/88)	28-01-88	WESTINGHOUSE ELECTRIC CORPORATION.	Circuit interrupter apparatus with a style saving rating plug.	18-05-91	77/00.	69-A.	F.C.
168698 (186/Mas/87)	17-03-87	MERLIN GERIN.	Electrical circuit breaker with improved dielectric withstand.	18-05-91	1/66.	69-I-LIX(1).	F.C.
168773 (821/Mas/86)	17-10-86	MERLIN GERIN.	An electrical circuit breaker	01-06-91	71/12.	79-A & B-LIX(1).	F.C.

1	2	3	4	5	6	7	8
168783 (88/Bom/88)	29-06-89	PRAKASH PURUSHOT- TAM DEO.	An improved miniature circuit breaker.	08-06-91	73/12- 73/48.	69-A-LIX.	F.C.
168851 (823/Mas/86)	17-10-86	MERLIN GERIN.	A multipole electrical circuit breaker located in a molded insulating case.	29-06-91	3/00.	69-O-LIX(1).	F.C.
168912 (68/Cal/88)	28-01-88	WESTINGHOUSE ELEC- TRIC CORPORATION.	Improvements in or relating to circuit interrupter appara- tus with a style saving over- ride circuit.	13-07-91	71/74.	69-Q.	F.C.
168928 (504/Cal/88)	20-06-88	SIEMENS AKTIENGE- SELLSCHAFT.	A circuit-breaker.	13-07-91	21/00.	69.	F.C.
168936 (69/Cal/88)	28-01-88	WESTINGHOUSE ELEC- TRIC CORPORATION.	Circuit interrupter apparatus with a selectable display means.	20-07-91	77/00.	69-A.	F.C.
168952 (629/Cal/87)	12-08-87	EATON CORPORATION.	Electromagnetic contactor having improved structure and assembly.	27-07-91	50/30.	69-I.	F.C.
169000 (988/Cal/87)	21-12-87	WESTINGHOUSE ELEC- TRIC CORPORATION.	Circuit breaker with magnetic shunt hold back circuit.	10-08-91	73/00.	69-Q.	F.C.
169011 (594/Cal/87)	31-07-91	SIEMENS AKTIENGE- SELLSCHAFT.	Apparatus for rapid recogni- tion of shortcircuits.	17-08-91	69/00.	69-I.	F.C.
169108 (135/Mas/87)	26-02-87	MERLIN GERIN.	Low voltage current breaking device.	07-09-91	73/06	69-Q-LIX(1).	F.C.
169160 (544/Mas/87)	29-07-87	ROBERT BOSCH GMBH.	An electromagnetic switch in particular for starting devices of internal combustion engines.	07-09-91	51/00.	69-D-LIX(1).	F.C.
169169 (122/Mas/87)	23-02-87	NORTHERN ENGINEER- ING INDUSTRIES PLC.	Arc interrupter.	07-09-91	33/00.	69-N-LIX(1).	F.C.
169205 (74/Mas/87)	04-02-87	MERLIN GERIN.	An extractible multipole electrical circuit breaker with a reversible draw-in and draw out mechanism.	14-09-91	15/02.	69-I-LIX(1).	F.C.
169227 (121/Mas/87)	23-02-87	NORTHERN ENGINEER- ING INDUSTRIES PLC.	Arc interrupter.	14-09-91	33/00.	69-N-LIX(1).	F.C.
169296 (1018/Mas/86)	29-12-86	DONALD H. MACADAM	Contact assembly for a switch.	21-09-91	3/38.	69-M-LIX(1).	F.I.
169451 (12/Cal/88)	05-01-88	KAREL HAVEL.	A rotary switch.	19-10-91	15/00.	69-M.	F.I.
169495 (291/Cal/88)	08-04-88	INTERNATIONAL CON- TROL AUTOMATION FINANCE S.A.	A fuse cover.	26-10-91	82/54.	64-A.	F.C.
169561 (223/Mas/87)	27-03-87	MERLIN GERIN.	A puffer type electrical circuit breaker.	09-11-91	9/30.	69-K.N.O.- LIX(1).	F.C.
169611 (461/Cal/88)	06-06-88	SIEMENS AKTIEN- GESELLSCHAFT.	A process for manufacturing a contact material for vacuum switches.	23-11-91	1/02.	9C, 9E, 9F, 64-A, 69-B § I	F.C.
169696 (725/Cal/88)	30-08-88	KRONE AKTIEN GESELLSCHAFT.	Thermal protection device overvoltage suppressors mounted in overvoltage sup- pressor magazines of commu- nication systems.	07-12-91	71/02, 71/20.	68.	F.C.
169728 (310/Mas/87)	30-04-87	MK ELECTRIC LIMITED.	An electric terminal for electrical switch.	14-12-91	1/58.	69-E, F, G & O-LIX(1).	F.C.

1	2	3	4	5	6	7	8
169841 (532/Mas/87)	24-07-87	MERLIN GERIN	A digital solid-state trip release system for a circuit breaker.	28-12-91	71/04.	69-A & B-LIX(1).	I.C.
169848 (531/Mas/87)	24-07-87	MERLIN GERIN.	A digital solid-state trip unit for an electrical circuit breaker with separable contacts.	28-12-91	71/04.	69-I-LIX(1).	F.C.
H 0.1 J : Electric discharge tubes or discharge lamps.							
167955 (160/Del/87)	24-02-87	NOKIA DATA SYSTEMS AB.	Apparatus incorporated in cathode ray tubes for reducing the field strength in the tube environment.	12-01-91	31/00.	194-C1.	F.C.
168169 (436/Del/87)	19-05-87	JULIA PAVLOVNA YEGER, VYACHESLAV LYOVICH VINOKUROV, EDUARD YAKOVLEVICH KERNERMAN, GENNADY IVANOVICH LYSENKO, VLADISLAV VLADIMIROVICH POPOVSKY, AND VLADIMIR ANDREEVICH SAZONOV.	An apparatus for cleaning ventilation exhausts.	16-02-91	9/38.	196-C.	F.I.
168259 (129/Cal/89)	14-02-89 ante dated to 19-01-87	RCA LICENCING CORPORATION.	Color display system.	02-03-91	13/00.	194-C1.	I.C.
168446 (632/Cal/87)	13-08-87	KUMAR KRISHNA ROHATGI.	A led (Light emitting diode) lamp.	06-04-91	1/00.	105-B; 194-B.	I.I.
168764 (888/Cal/87)	11-11-87	ANATECH LTD.	Dynamic electron emitter.	01-06-91	27/00; 33/00.	194-B.	F.C.
169008 (489/Cal/87)	22-06-87	INTENT PATENTS, AG.	Electrodeless fluorescent lighting system.	10-08-91	11/00.		F.C.
169013 (657/Cal/87)	19-08-87	RCA LICENSING CORPORATION.	A cathode-ray tube.	17-08-91	29/48.	194-C1.	F.C.
169425 (95/Bom/89)	13-04-89	CROMPTON GREAVES LTD.	A variable impedance choke for use in series with a gas discharge lamp.	12-10-91	61/00.	194-C 6 b- & C-LXIII(4).	I.C.
H 01 K : Electric incandescent lamps.							
168446 (632/Cal/17)	13-08-87	KUMAR KRISHNA ROHATGI.	A led (Light emitting diode) lamp.	06-04-91	7/04.	105-B; 194-B.	I.I.
168453 (176/Del/86)	01-10-86	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	An improved device for the production of silicon rods from silicon filaments.	06-04-91	1/00.	206-E.	I.C.
169827 (181/Bom/89)	04-07-89	VIPIN CHAMPSEY SHAH.	An improved multifilament lamp.	28-12-91	1/00; 1/62.	66-D9-LXIII(1).	I.I.
169828 (172/Bom/89)	23-06-89	VIPIN CHAMPSEY SHAH.	An improved multifilament lamp with a plastic button on the side of the cap.	28-12-91	1/00 1/62	66-D9-LXIII(1)	I.I.
H 01 L : Semiconductor devices, Electric solid state devices not otherwise provided for.							
168381 (123/Cal/87)	08-02-88	SOLAREX CORPORATION.	A process for preparing hydrogenated amorphous silicon alloys.	23-03-91	1/00; 31/00.	9-E.	F.C.

1	2	3	4	5	6	7	8
168426 (937/Mas/86)	03-12-86	INTERNATIONAL BUSINESS MACHINES CORPORATION.	Method of making a semi-conductor substrate with a hole.	30-03-91	21/302.	206-E-LXII.	F.C.
168427 (49/Mas/87)	25-01-88	MAHADEVA SUBBARAYA VENKATARAMANA SARMA.	Thermo electric motor.	30-03-91	35/00.	63-I-LVII(1).	I.I.
169348 (242/Mas/87)	03-04-87	KELTRON RECTIFIERS LTD.	A trigger module for thyristor applications mounted a printed circuit board.	28-09-91	29/74.	206-E-LXII.	I.C.
169536 (542/Cal/88)	01-07-88	LANXIDE TECHNOLOGY COMPANY, LP.	A method for producing direct contact heat storage medium.	09-11-91	21/00. 31/00. 23/00.	9-F; 31HC; 93.	F.C.
169537 (547/Cal/88)	04-07-88	LANXIDE TECHNOLOGY COMPANY, LP.	Method for forming complex oxidation reaction products including superconducting articles.	09-11-91	21/00. 31/00; 39/00.	9-F; 31-C; 93.	F.C.
169551 (579/Cal/88)	11-07-88	SIEMENS AKTIENGESELLSCHAFT.	A method for producing amorphous hydrogenated carbon.	09-11-91	21/00.	9-F & 93.	F.C.
169623 (462/Mas/87)	24-06-87	HOLTRONIC TECHNOLOGIES LIMITED.	A method of manufacturing integrated circuits using holographic techniques.	23-11-91	25/00.	206-E & 146-D-LXII & XXXVIII (2).	F.C.
169758 (711/Cal/89)	31-08-89	SOLAREX CORPORATION	Process for preparing a positively doped hydrogenated amorphous silicon alloy.	21-12-91	1/00; 31/00.	9-E; 206E.	F.C.
169759 (712/Cal/89)	31-08-89 ante-dated to 13-02-87	SOLAREX CORPORATION.	Process for preparing hydrogenated amorphous silicon alloy.	21-12-91	1/00; 31/00.	9-E; 206-E.	F.C.
H 01 M : Processes or means, e.g. batteries, for the direct conversion of chemical into electrical energy.							
167920 (76/Del/87)	18-02-88	NATIONAL RESEARCH DEVELOPMENT CORPORATION OF INDIA.	A process for the preparation of an anode.	05-01-91	4/88.	40-B.	I.C.
167925 (634/Cal/87)	13-08-87	WESTINGHOUSE ELECTRIC CORPORATION.	Fuel cell stack having electrolyte feed and drain means and a plurality of stacked fuel cells.	12-01-91	8/00.	14-A3; 14-D.	F.C.
168103 (650/Del/86)	29-07-86	SAFT.	A method of manufacturing a polymer consolidated cadmium electrode for an alkaline storage cell.	02-02-91	4/44.	70-B-LVIII(5).	F.C.
168231 (77/Cal/88)	17-04-89	SACHINDRA PROSAD SAHA.	A device for forming projections separator plates for lead-acid and other storage batteries.	23-02-91	2/00.	14-A2.	I.I.
168860 (991/Mas/86)	18-12-86	THE DOW CHEMICAL COMPANY.	A solid polymer electrolyte electrode structure and a method of manufacturing the same.	29-06-91	4/00.	70-B; 14C-LVIII(5); LVIII(1).	F.C.

1	2	3	4	5	6	7	8
168866 (993/Cal/87)	22-12-87	KISHOR CHANDRA KOTHARI AND VIPUL KOTHARI.	An improvements in or relating to rechargeable cell or storage battery.	29-06-91	2/04, 2/12, 2/36.	14-A ₁ & 2.	I.I.
168925 (278/Cal/88)	05-01-88	SOCIETE ANONYME DITE: ALUMINIUM PECHINEY.	Method of forming lead terminals on aluminium or aluminium alloy cables.	13-07-91	2/30; 4/56.	14-A ₁ ; A ₂ .	F.C.
168985 (504/Cal/87)	30-06-87	ADAPTIVE INSTRU- MENTS CORPORATION.	A battery charger.	03-08-91	10/44, 10/46, 10/50, 10/52.	14-C, D ₂ ; 70A +B, C4	F.C.
1690181 (548/Cal/86)	21-07-86	ENERETICS, INC.	Deferred action battery.	31-08-91	6/30.	14-B; D1.	F.C.
169188 (890/Dcl/87)	12-10-87	ALCAN INTERNATIO- NAL LIMITED.	Multi-cell battery.	14-09-91	2/00.	14-C.	F.C.
169233 (494/Dcl/85)	24-06-85	CHLORIDE SILENT POWER LIMITED	An alkali metal energy con- version device.	14-09-91	10/28.	14-C & 70-A.	F.C.
169277 (225/Dcl/88)	21-03-88 ante dated to 24-06-85	CHLORIDE SILENT POWER LIMITED.	A method of manufacturing an alkali metal energy con- version devices.	21-09-91	10/28	14-C & 70-A.	F.C.
169374 (1063/Dcl/86)	03-12-86	IMPERICAL CHEMICAL INDUSTRIES PLC.	Electrode for use in an elec- tolytic cell.	05-10-91	4/00.	14-A2.	F.C.
169566 (417/Mas/87)	05-06-87	LILLYIWYTE SOCIETE ANONYME.	A method of making an elec- trochemical cell.	09-11-91	4/24.	14-A2-LVIII(1)	F.C.
169633 (523/Cal/88)	28-06-88	CHLORIDE INDUSTRIES LIMITED.	Method of producing low anti- mony content tubular grids for positive electrodes of lead acid storage batteries.	23-11-91	4/14; 4/16; 4/20.	14-A2.	F.C.
169743 (892/Dcl/86)	07-10-86	IMPERIAL CHEMICAL INDUSTRIES P.L.C.	Electricity cell.	14-12-91	6/00.	70-A.	F.C.
H — 01 P : Waveguides; Resonators, lines, or other device of the waveguide type.							
161875 (225/Cal/87)	20-03-87	SIEMENS AKTIENGE- SELLSCHAFT.	A device for adjusting the pole positions of a multi-stage electrical filter.	16-02-91	1/20.	186-A.	F.C.
168532 (20/Dcl/87)	12-01-87	ROHAM AND HAAS COMPANY	A process for preparing thermally stable microplastic structures.	20-04-91	3/08.	152-F.	F.C.
169085 (874/Cal/87)	06-11-87	AMERICAN TELEPHONE & TELEGRAPH COM- PANY.	A method and apparatus for making an elongated glass preform rod suitable for communication use.	31-08-91	11/00.	206-E.	F.C.
169518 (446/Cal/88)	01-06-88	SIEMENS AKTIENGE- SELLSCHAFT.	Converters system for coup- ling two high voltage three- phase networks.	02-11-91	5/00.	64-B-1.	F.C.
169567 (421/Mas/87)	08-06-87	MOTOROLA INC.	A filter.	09-11-91	7/10.	186-A-LXI(1).	F.C.
H 01 Q : Aerials.							
168358 (441/Mas/88)	27-06-88	CHEERAMBAN VER- GHESE JOHN.	A polydirectional television antenna.	16-03-91	17/00.	206-A-LXII.	F.I.
169569 (446/Mas/87)	19-06-87	BRITISH AEROSPACE PLC.	A loop antenna system.	09-11-91	7/02.	206-A & C-LXII	F.C.

1	2	3	4	5	6	7	8
H 01 R : Line connectors: Current Collectors.							
167938 (1107/Del/86)	16-12-86	CENTRE STEPHANOIS DE RECHERCHES MECANIQUES ET FROTMENT.	A process for the preparation of an electrical contact.	12-01-91	43/16.	48-A1 & 188.	F.C.
168213 (274/Cal/87)	03-04-87	KABUSHIKI KAISHA MEIDENSHA.	Vacuum interrupter.	23-02-91	39/60.	68-E ₁ ; 70-B.	F.C.
168286 (315/Bom/88)	16-11-88	NANDAKUMAR RAMA- CHANDRA JOSHI.	Modified shielded guard for electronic circuit intercon- nections (with EMI shielding)	02-03-91	9/03	64-B ₁ -VIII(h)	F.I.
168657 (391/Cal/88)	16-05-88	WESTINGHOUSE ELECTRIC CORPORA- TION.	Improvements in or relating to vacuum interrupter with ceramic enclosure.	18-05-91	39/60.	64-A.	F.C.
168899 (486/Cal/88)	15-06-88	KRONE AKTIENGESE- LSCHAFT.	Connector bank for telecommu- nication devices.	06-07-91	9/00.	186-B4	F.C.
168922 (172/Cal/88)	29-02-88	KRONE AKTIENGESF- LISCHAFT.	Cutting/clamping sleeve contact.	13-07-91	4/28	48-D3	F.C.
169226 (170/Mas/87)	23-02-87	NORTHERN ENGINEER- ING INDUSTRIES PLC	Arc interrupter.	14-09-91	39/46.	69-N-LIX(1).	F.C.
169313 (78/Mas/87)	05-02-87	KUDOS LIGHTING LIMITED.	A safety lamp holder for receiving a bayonet bulb.	28-09-91	33/975. 33/97.	64-B3, 113G, 66-D4-LVIII(4), LXIII(1).	F.C.
169353 (309/Mas/87)	30-04-87	MK ELECTRICAL LIMITED.	An electrical socket for receiving the pins of electric plugs.	28-09-91	13/447. 13/453.	64-B-LVIII(4).	F.C.
169493 (286/Cal/88)	06-04-88	KAREL HAVEL.	An electrical multiconnector.	26-10-91	13/193.	64-B-3.	F.I.
169513 (392/Cal/88)	16-05-88	KRONE AKTIEN- GESELLSCHAFT.	A frame for holding connec- tor banks for connecting differ- ent cables in telecommuni- cation systems.	02-11-91	11/00; 9/00.	185-3&4-87-D.	F.C.
169651 (561/Cal/88)	06-07-88	KAREL HAVEL.	An electrical connector.	30-11-91	13/10.	64-B-3.	F.I.
169840 (710/Cal/89)	31-08-89 ante dated to 13-02-87	SOLAREX CORPO- RATION.	Process for preparing a [nega- tively doped hydrogenated amorphous silicon alloy.	28-12-91	1/00. 31/00.	9-E; 206-E.	F.C.
H 01 S : Devices using stimulated emission.							
168043 (524/Del/86)	13-06-86	VAPOR CORPORATION.	Mounting for thermoelectric module.	26-01-91	1/00.	146-(C+E)	F.C.
168628 (47/Cal/88)	20-01-88	NAUCHNO ISSLEDOVA- TELSKY TSENTR PO TEKH NOLOGICHES- KIM LAZERAM AKAD- EMHI NAUK SSSR.	Medums for gas laser excited by ionizing particles.	11-05-91	1/00	40-F.	F.C.
II 01 T : Spark gaps; Overvoltage arresters using spark gaps; Sparking plugs; Corons devices; Generating ions to be introduced into non-enclosed gases.							
169207 (77/Mas/87)	05-02-87	LACREX BREVETTI S.A.	Contact-breaking ignition plug.	14-09-91	13/02.	107-F-XLVI(2).	F.C.

1	2	3	4	5	6	7	8
H 02 : GENERATION, CONVERSION OR DISTRIBUTION OF ELECTRIC POWER.							
H 02 B Switchboards, switchyards, or switchgear, for the distribution of electric power.							
168141 (32/Mas/87)	06-02-87	MERLIN GERIN	A high voltage metal clad electrical substation.	09-02-91	1/00, 13/00.	68-E1 & 69-0 & FFF LVIII(3) & LIX(1).	F.C.
168580 (593/Cal/87)	31-07-8)	SIEMENS AKTIENG - SELLSHAFT.	A device for controlling a preferably remote-controlled switchgear used for feeding power to a grid.	04-05-91	3/00.	69-A; D, F1, J	F.C.
168584 (761/Mas/86)	26-09-86	MERLIN GERIN	Voltage measuring device of a high voltage conductor of a metalclad installation.	04-05-91	1/08.	126-D- LVIII (6).	F.C.
H 02 G : Installation of electric cables or lines.							
168029 (57/Del/87)	28-01-87	BOWTHORPE EMPI LIMITED.	A surge arrester and method for manufacturing the same.	26-01-91	13/00	68-D-LVII(3).	F.C.
168222 (219/Cal/87)	18-03-87	CLARENCE SEXTON FREEMAN AND KATH ERINE MOUTON FREEMAN.	A process of electrochemically coating a metallic wire.	23-02-91	1/00.	187-D4.	F.I.
168748 (804/Mas/87)	22-06-88	RAMABADRAN THIRU VENKATACHARI AND RAMABADRAN VENKATAGOPALAN	Improved spacer damper.	01-06-91	7/12., 7/14	48-D2-LVIII(3)	I.I.
168944 (825/Cal/87)	23-10-87	FUJIKURA LIMITED	An insert part for sealing cable junctions	20-07-91	15/04, 15/23, 15/24	48-A1	F.C.
169079 (515/Cal/90)	20-06-90 ante dated to 23-10-87	FUJIKURA LIMITED	An assembly for sealing cable junctions	31-03-91	15/00	43-A1	F.C.
169112 (931/Mas/86)	20-12-86	PREFORMED LINEL PRODUCTS COMPANY	A device for dampening wind induced vibrations in aerial cables	07-00-91	7/11.	63-C-LVII(3)	F.C.
169443 (98/Eom/89)	17-04-89	MR. ABDUL AZIZ	A push fit joint system for covering joints formed in the construction of protective sheath (Casing-capping) for electric conductors	19-10-91	3/05, 3/00, 15/08	61-B1-LVII(4) 43-A1-LVII(3)	I.I.
H 02 H : Emergency protective circuit arrangements.							
168635 (66/Cal/88)	28-01-88	WESTINGHOUSE ELEC- TRIC CORPORATION	Circuit interrupter apparatus with a battery backup and reset circuit	11-05-91	3/00	69-A	F.C.
169073 (119/Cal/89)	09-02-89	M. A. SHAH & CO	A universal relay for protection of alternating current three-phase loads	31-08-91	3/13, 3/34, 3/253	68-D, 69, 133A	I.C.
169295 (1016/Mas/86)	26-12-86	MERLIN GERIN	Solid-state trip device with test circuit for an electrical circuit breaker	21-02-91	3/03	60-F-LIX(1)	F.C.
169696 (725/Cal/88)	30-08-88	KROME AKTIENGES- LLSCHAFT	Thermal protection device for over voltage suppressors mounted in overvoltage suppressor magazines of communication system	07-12-91	3/20	68	F.C.

1	2	3	4	5	6	7	
H 02 J : Circuit arrangements or systems for supplying or distributing electric power; Systems for storing electric energy.							
167921 (730/Cal/84)	18-10-84	KABUSHIKI KAISHA MEIDENSHA	Start control apparatus for industry-owned generating plant	12-01-91	9/06	63-I	F.C.
168131 (124/Del/86)	17-02-86	EXIDE ELECTRONICS INTERNATIONAL CORP.	A stabilised power supply apparatus	09-02-91	3/00	68-E 1	F.C.
168296 (71/Del/87)	29-01-87	SAB NIFEX AB	An apparatus for charging a sealed secondary electro- chemicals power source in combination with said power source	09-03-91	7/00	14-VIII(1)	F.C.
168736 (833/Cal/87)	26-10-87	WESTINGHOUSE ELEC- TRIC CORPORATION	Improved var generator	25-05-91	3/18	63-I	F.C.
168985 (504/Cal/87)	30-06-87	ADAPTIVE INSTRU- MENTS CORPORATION	A battery charger	03-08-91	7/00, 7/02, 7/10, 7/04	14-C, D2; 70-A—B, C4	F.C.
169173 (207/Del/87)	05-07-88	JAYANTA KUMAR CHATTERJEE	A volt ampere reactive controller for electric power system	14-09-91	3/18	68-D	I.I.
H 02 K : Dynamo-electric machines.							
168059 (210/Del/87)	09-03-87	MABUCHI MOTOR CO LTD	A miniature motor	26-01-91	17/00	63-I-LVII(1)	F.C.
168146 (345/Mas/88)	23-05-88	SRINIVASALU NAIDU THIRUVENKATESALU	An improved dry type sub- mersible motor	09-02-91	5/12 5/132	63-D-LVII(1)	I.I.
168180 (758/Cal/87)	24-09-87	MAGNETICS RESEARCH INTERNATIONAL COR- PORATION	Full flux reversal variable reluctance motor-generator machine	16-02-91	1/00	63-B	F.C.
168416 (313/Del/87)	13-04-87	MABUCHI MOTOR CO LTD.	A shallow-cup-shaped mini- ature motor	30-03-91	17/00	63-A1-LVII(1)	F.C.
168495 (866/Cal/87)	04-11-87	PSM TECHNOLOGIES INC	A. C. electrical machines	13-04-91	17/00	63-A2	F.C.
168559 (975/Cal/87)	14-12-87	SIEMENS AKTIFNGESE- SELLSCHAFT	A rotor for a dynamo-electric machine	27-04-91	3/24, 9/00	63-E	F.C.
168571 (476/Cal/86)	25-06-86	WESTINGHOUSE ELEC- TRIC CORPORATION.	Generator stator winding diagnostic system.	04-05-91	11/00.		F.C.
168671 (329/Cal/87)	23-06-88	KHAITAN (INDIA) LIMITED.	Improved body of electric motor for ceiling fan.	18-05-91	9/00.	196-A, 196-B 1 & 2 196-C.	I.C.
168959 (473/Cal/88)	09-06-88	NIKOLAI PAVLOVICH POPOV, GRIGORY NAU- MOVICH KLOTSVOG, ANDREI DMITRIEVICH PLOTNIKOV, ISRAFIL TEIMUROVICH TALY- SHINSKY, EVGENY AN- DREEVICH TRETYAKOV.	A synchronous motor.	27-07-91	17/00.	63-I.	F.I.
169014 (666/Cal/87)	24-08-87	EMERSON ELECTRIC CO.	Permanent magnet assembly and method of making same.	17-08-91	15/02.	63-H.	F.C.
169437 (426/Cal/87)	28-05-87	TIMEX CORPORATION.	Bipolar rotor for a stepping motor and method of manu- facturing same.	19-10-91	37/00.	63-I.	F.C.

1	2	3	4	5	6	7	8
169610 (372/Mas/87)	20-05-87	ROBERT BOSCH GMBH.	A statot for an electucal machine.	23-11-91	3/38.	63-B & D-LVII(1).	F.C.
<p>H 02 M : Apparatus for conversion between ac and ac, between ac and dc, or between dc and dc, and for use with mains or similar power supply systems; Conversion of dc or ac input power into surge output power; Control or regulation thereof.</p>							
168597 (819/Mas/86)	16-10-86	UNION SWITCH & SIGNAL INC.	An interface driver.	04-05-91	11/00.	206-E-LXII.	F.C.
169474 (89/Bom/89)	10-04-89	JAYANT GANESH VAIDYA.	Static phase convertor.	12-10-91	5/00.	63-L-LVII(1), 65-A4-LVII(2).	F.C.
<p>H 02 P : Control or regulation of electric motors, generators, or dynamo-electric converters, Controlling transformers, reactors or choke coils.</p>							
168063 (650/Del/86)	21-07-86	GAZ DE FRANCE.	Applied current cathodic protection system for a structure as herein described placed in an electrolyte.	26-01-91	9/00.	68-D-LVII(3).	F.C.
168177 (414/Cal/87)	25-05-87	SATAKE ENGINEERING CO. LTD.	Variable speed controlled induction motor.	16-02-91	7/00.	63-A2	F.C.
168695 (897/Mas/86)	23-12-87	GOVINDASWAMY VENKATACHALA-PATHY.	An improved single phase capacitor run motor.	18-05-91	1/44.	63-B-LVII(1).	F.C.
168900 (775/Cal/88)	15-09-88	COMBUSTION ENGINEERING INC.	An apparatus for controlling the operation of an A.C. motor particularly a variable frequency, variably voltage A.C. motor.	06-07-91	6/00.	133-A.	F.C.
168918 (434/Cal/88)	27-05-88	GENERAL ELECTRIC COMPANY.	Cross for the induction motor drive.	13-07-91	5/00.	133-A.	F.C.
169357 (411/Mas/87)	04-06-87	MASCHINENFABRIC REINHARDT GMBH.	Control apparatus for a tapped transformer.	28-09-91	12/00.	65-B3-LVII(2).	F.C.
169541 (456/Del/87)	27-05-87 ante dated to 15-05-85	THE JAY ENGINEERING WORKS LTD.	Regulators for electric ceiling fans.	09-11-91	1/00.	133-B.	F.C.
169582 (449/Del/87)	25-05-87 ante dated to 15-05-85	THE JAY ENGINEERING WORKS LTD.	Regulators for electric ceiling fans.	16-11-91	1/00.	133-B.	F.C.
169583 (480/Del/87)	25-05-87 ante dated to 15-05-85	THE JAY ENGINEERING WORKS LTD.	Regulators for electric ceiling fans.	16-11-91	1/00.	133-B.	F.C.
169584 (455/Del/87)	27-05-87 ante dated to 15-05-85	THE JAY ENGINEERING WORKS LTD.	Regulators for electric ceiling fans.	16-11-91	1/00.	133-B.	F.C.
169597 (438/Cal/88)	30-05-88	GENERAL ELECTRIC COMPANY.	Apparatus for controlling an alternating current motor particularly at low speeds.	16-11-91	7/00.	63-G.	F.C.

1.	2.	3.	4.	5.	6.	7.	8.
169108 (403/Cal/90)	15-06-90 ante dated to 17-06-87	E.I. DU PONT DE NEMOURS AND COM- PANY.	A system useful for con- trolling the propelling of linear synchronous motor secondaries along an elongated primary of a linear synchro- nous motor.	28-12-91	15/00.	133-A.	F.C.
H 03 : BASIC ELECTRONIC CIRCUITRY.							
H 03 B : Generation of oscillations, directly or by frequency-changing, by circuits employing active elements which operate in a non-switching manner; Generation of noise by such circuits.							
168574 (339/Cal/87)	28-04-87	HITACHI LTD.	Variable-speed pumped- storage power generating system.	04-05-91	19/00.	63-I.	F.C.
H 03 K : Pulse technique.							
161138 (939/Del/86)	23-10-86	AKTIESELSKABET NORDISKE KABEL OG TRAADFABRIKER.	Apparatus for determination of the location of reflection points along a pulse trans- mission line.	09-02-91	5/00.	206-E - LXII.	F.C.
161152 (84/Cal/87)	28-01-87	SIEMENS AKTIENGE- SELLSCHAFT.	An electrical automation assembly.	09-02-91	17/296.	206-E	F.C.
168271 (744/Cal/86)	16-10-87	WESTINGHOUSE ELECTRIC CORPN.	Improvements in or relating to improved delay circuit for inverter switches.	02-03-91	17/28	69-I.	F.C.
169634 (525/Cal/88)	28-06-88	DIGITAL EQUIPMENT CORPORATION.	Apparatus for modifying a data element in a main memory unit location of a data processing system.	23-11-91	19/00.	206-E.	F.C.
H 03 M : Coding ; Decoding or code conversion. In general.							
169806 (299/Cal/90)	11-04-90	OKI ELECTRIC INDUS- TRY CO LTD	Analog-digital hybrid integ- rated circuit	28-12-91	1/00	206-E	F.C.
H 04 : ELECTRIC COMMUNICATION TECHNIQUES.							
H 04 B : Transmission.							
168001 (313/Cal/87)	21-04-87	SIEMENS AKTIENGESE- LLSCHAFT	Short-wave transmitters	19-01-91	1/03	206-E	F.C.
168973 (85/Cal/87)	28-01-87	SIEMENS AKTIENGESE- LLSCHAFT	Device for transferring binary information between a central unit and modular peripheral assemblies via a bus system	03-08-91	1/00	206-I, E	F.C.
169044 (101/Cal/88)	05-02-88	NAUCHNO-PROIZVOJ- STVENNOE OBIEDINE- NIEPO SOZDANIJU I VYPUSKU SHEDSTV AVTOMATIZATSII GORN'YKH MASHIN	System for transmission and reception of remote control signals	24-08-91	11/00	206-E	F.C.
169399 (270/Mas/87)	10-04-87	METROCAST	A radio paging system	12-10-91	5/04	206-E-LXII	F.C.
169526 (269/Mas/87)	10-04-87	METROCAST	A scanning radio paging receiver for a paging system	02-11-91	5/04	206-E-LXII	F.C.
169575 (373/Cal/88)	06-05-88	INTERNATIONAL CON- TROL AUTOMATION FINANCE SA	A receiver circuit for equalis- ing signals from plural cables of different lengths	16-11-91	3/04	206-E	F.C.

1.	2.	3.	4.	5.	6.	7.	8.
H 04 J : Multiplex communication							
167911 (488/Del/86)	19-06-86	THE GOVERNOR AND COMPANY OF THE BANK OF ENGLAND	Apparatus for testing in rapid succession each of a multiplicity of a sheets in a separate or continuous form	05-01-91	1/04	186-E & 205-E	F C
169548 (1060/Del/87)	10-12-87	SUMAN KUMAR DEWAN	Full duplex communication system using single operating frequency	0-9-11-91	1/00	205-E	I I
H 04 K : Secret communication; Jammay of communication.							
169111 (903/Mas/86)	25-11-86	THE PLESSEY COMPANY PLC	A telecommunications system, providing secure communication	07-02-91	1/00	137-C3-LXI(2)	F C
H 04 L : Transmission of digital information, e.g. telegraphic communication.							
168152 (84/Cal/87)	28-01-87	SIEMENS AKTIENGESELLSCHAFT	An electrical automation assembly	09-02-91	17/00	205-E	F C
168971 (648/Cal/86)	26-08-86	SIEMENS AKTIENGESELLSCHAFT	A data transmission system	03-03-91	19/00	205-E	F C
168992 (229/Cal/87)	24-03-87	OKI ELECTRIC INDUSTRY CO LTD	Apparatus for controlling the start of data transmission	10-08-91	19/00	205-E	F C
169053 (540/Cal/88)	01-07-88	OKI ELECTRIC INDUSTRY CO LTD	Contention control system	24-03-91	1/00, 5/00, 17/00	163-C; 205-C & E	F C
169523 (248/Mas/87)	03-04-87	ORGAN-FASER-TECHNOLOGY COMPANY NV	Process and device for producing fibrous and/or granular material from waste material	02-11-91	5/00, 9/00	84-C2-XXXII (2)	F C
169770 (1132/Del/86)	23-12-86	STC PLC	Data transmission equipment	21-12-91	5/00	205-E-LXI	F C
H 04 M : Telephonic communication.							
167984 (599/Cal/87)	03-08-87	SIEMENS AKTIENGESELLSCHAFT	A circuit for simulating the NSI contact by means of electronic holding circuit	19-01-91	1/25	137-E4	F C
168044 (638/Del/86)	19-10-87	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	An improved electronic chip	25-01-91	3/00	137-J4	I C
168441 (569/Cal/87)	24-07-87	THE PLESSEY COMPANY LPC	Security device for a telecommunications exchange system	05-01-91	3/00	137-C3	F C
168915 (182/Cal/88)	02-03-88	KAREL HAVEL	Variable colour display telephone	13-07-91	1/00	187-E4, E5, H	F I
169243 (217/Bom/88)	06-07-89	ASHOK DONGRE	A communication device	14-09-91	11/00	187-LXI-(2), 67-A+-C-LI(2)	I I
169257 (940/Del/86)	23-10-86	INTERNATIONAL MOBIL MACHINES CORPORATION	A combination of synthesizer and a read only memory (ROM) in broadcast telephone system	21-02-91	3/00	187-C3	F C

1	2	3	4	5	6	7	8
H 04 Q : Selecting.							
168886 (975/Mas/86)	15-12-86	BRITISH TELECOMMUNICATIONS PLC	A system for routing telecommunication traffic through a circuit switched network	05-07-91	3/65	187-H-LXI(2)	F C
169243 (217/Bom/88)	06-07-89	ASHOK DONGRE	A communication device	14-09-91	9/00	187-LXI(2); 67-A-C-LI(2)	I I
H 04 R : Electromechanical transducers.							
168073 (641/Mas/86)	07-08-86	INTERNATIONAL BUSINESS MACHINES CORPORATION	Magnetoresistive transducer for reading data on a magnetic recording medium	02-02-91	21/00	147-C, 147-E, 168-C-LX(3), LI(4)	F C
168558 (422/Cal/88)	25-05-88	INSTITUT ELEKTROSVARKI IMENI E O PATONA AKADEMII NAUK UKRAISKOI SSR	Transducer for registering acoustic emission signals	27-04-91	17/00	65-A2	F C
168700 (838/Mas/88)	25-11-88 ante dated to 30-03-85	FELLOWS CORPORATION	A cutting force control unit for controlling a hydraulically driven gear shaping machine or a similar machine tools	18-05-91	29/00	102-D & 129-H-XXIX(1) & XXXV	F C
168895 (103/Cal/87)	15-10-87	SIEMENS AKTIENGSELISCHAFT.	An earpiece assembly for a telephone handset.	06-07-91	1/00, 1/10, 1/28.	187-E5.	F.C.
168960 (553/Cal/88)	28-01-88	MOSKOVSKOE VYSSHEE TEKHNICHESKOE UCHILISCHE IMENI N. E. BAUMANA.	Scanning device for ultrasonic quality control of articles.	7-07-91	29/00.	126.	F.C.
169006 (448/Cal/87)	09-06-87	WESTING HOUSE ELECTRIC CORPORATION.	At ultrasonic inspection apparatus.)	10-03-91	29/00.	206-D	F.C.
169553 (59/Cal/88)	13-07-88	INTERNATIONAL CONTROL AUTOMATION FINANCE S.A.	Pressure transducer using thin film resistor.	09-11-91	23/00.	126-A.	F.C.
H 05 : ELECTRIC TECHNIQUES NOT OTHERWISE PROVIDED FOR.							
H 05 B : Electric heating Electric lighting not provided for.							
160428 (194/Mas/87)	18-03-87	AKEBON BRAKE INDUSTRY CO. LTD.	High-frequency induction heating device for heat-bonding brake shoe lining.	30-3-91	6/10.	97-E & F. LIX (2).	F.C.
168513 (168/Cal/88)	26-02-88	INTENT PATENTSAG.	Self-regulating, non-load protected electronic ballast system.	20-04-91	37/02.	68-E1.	F.C.
168656 (384/Cal/88)	12-05-88	DEGUSSA AKTIENGSELISCHAFT.	Holding elements made of graphite for the heating elements in the industrial furnaces.	18-05-91	7/10.	97A.	F.C.
168904 (52/Cal/88)	21-01-88	1. JURY ALEXEVICH SPIRIDONOV. 2. VLADIMIR IVANOVICH KHANDOGIN. 3. ANATOLY IVANOVICH IVANOV-TSYGANOV.	Power-control device for the the magnetron of microwave oven.	06-07-91	6/66.	97-F.	F.I.
169230 (840/Mas/87)	20-11-87	THERMON MANUFACTURING COMPANY.	An electrical heating cable.	14-09-91	3/10.	97-C.- LX(2).	F.C.

1	2	3	4	5	6	7	8
H 05 F : Static electricity, Naturally-occurring electricity							
168099 (989/Mas/86)	18-12-86	JOHN RICHARD GUMLEY.	A passive lightning attracting device.	02-02-91	3/02.	48A4 68-D- LVIII(3), LVII(3).	F.I.
G 05 G : X-ra technique-							
168082 (892/Cal/86)	09-12-86	B.V. OPTISCHE INDUSTRIE 'DE OUDE DELFT'	An improved dosimeter for ionising radiation apparatus for slit radiography.	02-02-91	1/00.	148-H.	F.C.
168333 (480/Cal/87)	19-06-87	B.V. OPTISCHE INDUSTRIE 'DE OUDE DELET'.	A device for slit radiography.	16-03-91	1/46.		F.C.
168417 (395/Del/87)	05-03-87	STEIN INDUSTRIE.	At pipework in combination with a plug for an opening providing an inspection X-Ray source with access to the pipe work.	30-03-91	1/00	150-G.	F.C.
168569 (793/Cal/89)	28-09-89 ante dated to 01-12-86	B.V. OPTISCHE INDUSTRIE 'DE OUDE DELFT'	slit radiography equipment,	27-04-91	1/16.	148-H.	F.C.
169511 (362/Cal/88)	03-05-88	B.V. OPTISCHE INDUSTRIE 'DE OUDE DELFT'.	Device for slit radiography with image equalization.	02-11-91	1/02.	148-H.	F.C.
169731 (259/Cal/88)	29-03-88	B.V. OPTISCHE INDUSTRIE 'DE OUDE DELFT'.	Apparatus for slit radiography equipped for taking equalized X-Ray photographs.	14-12-91	1/30.		F.C.
11 05 H : Plasma technique, Production of accelerated electrically-charged particles or of neutrons, Production or acceleration of neutral molecular or atomic beams.							
169329 (395/Mas/87)	27-05-87	DOW CORNING CORPORATION.	A process for producing siliconising a gas plasma as the energy source.	28-09-91	1/42.	130-F- XXXIII(7).	F.C.
H 05 K : Printed circuits, Casings or constructional details of electric apparatus, Manufacture of assemblages of electrical components.							
168136 (874/Del/86)	01-10-86 ante dated to 24-01-84	KOLLMORGAN TECHNOLOGIES CORPORATION.	A method for the manufacture of printed circuit boards.	09-02-91	3/04.	701-C-4 & 188.	F.C.
168174 (195/Cal/87)	10-03-17	SIEMENS AKTIEN-GESELLSCHAFT.	A method of manufacturing semiconductor components.	16-02-91	13/04.	194.	F.C.
168237 (737/Cal/88)	02-09-88, ante dated to 07-05-85	SIEMENS AKTIEN-GESELLSCHAFT.	Method of manufacturing of a boxlike electronic printed circuit board module.	23-02-91	1/18.	206-E.	F.C.
168594 (708/Mas/86)	02-09-86	LACREX BREVETTI S.A.	Device for preheating liquid fuels used for combustion and for powering engines.	04-05-91.	7/20.	98-D VII (2)	F.C.

1	2	3	4	5	6	7	8
168868 (203/Cal/88)	08-03-88	AEG SOLIER -UND KUNSTSTOFF	Process for the continuous production of band shaped supporting plates and double band press for producing said plates.	29-06-91	3/02.	206-E.	F.C.
168989 (924/Cal/87)	25-12-87	KRONE AKTIENGE SELLSCHAFT.	Device for connecting cable wires to cutting /clamping contacts of drop wire connector banks of telecommunication systems	03-04-91	7/02.	187-A.	F.C.
169729 (159/Mas/87)	09-03-87	CATERPILLER INC.	An environmentally protected printed circuit board.	14-12-91	5/03, 7/14	143-D. XL(5).	F.C.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of the registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration of the designs included in the entry.

Class 1. Nos. 164876 to 164878. Radiant Industries, 250-D, Udyog Bhavan, Worli, Bombay-400025, Maharashtra, India, Indian Proprietary Firm. "Idol". October 9, 1992.

Class 3. No. 164992. Pleasant Plast Pvt. Ltd., J/101-A, Ansa Industrial Estate, 1st floor, Saki Vihar Road, Andheri (East), Bombay-400072, Maharashtra, India. "Container". November 13, 1992.

Class 3. No. 165372. Sukant Industries of 410-A, Byculla Service, Industries, Dodoji Kondev, Marg Byculla, Bombay-400027, Maharashtra, India, Indian Partnership Firm. "Battery stand for light". February 22, 1993.

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Nos. 159693, 159824, 159825, 159827, 159828,
159829, 159830 & 159831 .. Class 3.

Copyright extended for the 3rd period of five years

Nos. 159824, 159825, 159827, 159828, 159829,
159830 and 159831. Class 3.

R. A. ACHARYA
Controller General of Patents, Designs
& Trade Marks